

INTEGRAL

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The Student Annual

of

Armour Institute of Technology

Chicago, Illinois

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Volume Ten: Nineteen Hundred and Eight

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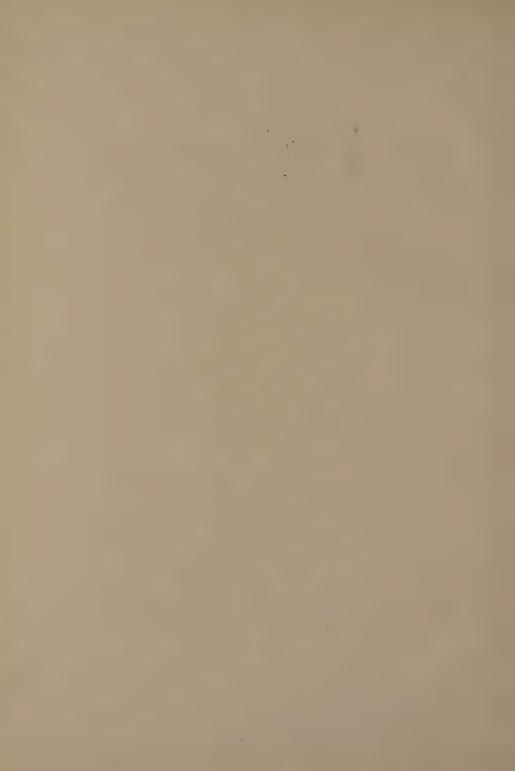


EDICATION

To our Friend,

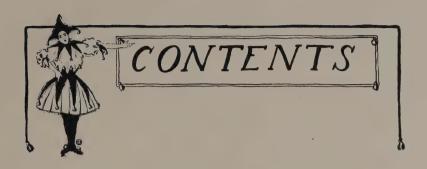
Mr. Frederick Urling Smith, in recognition of his tireless work and watchful care in the interests of Armour Institute of Technology, this book is dedicated.











THE INSTITUTE

THE CLASSES

THE FRATERNITIES

THE SOCIETIES

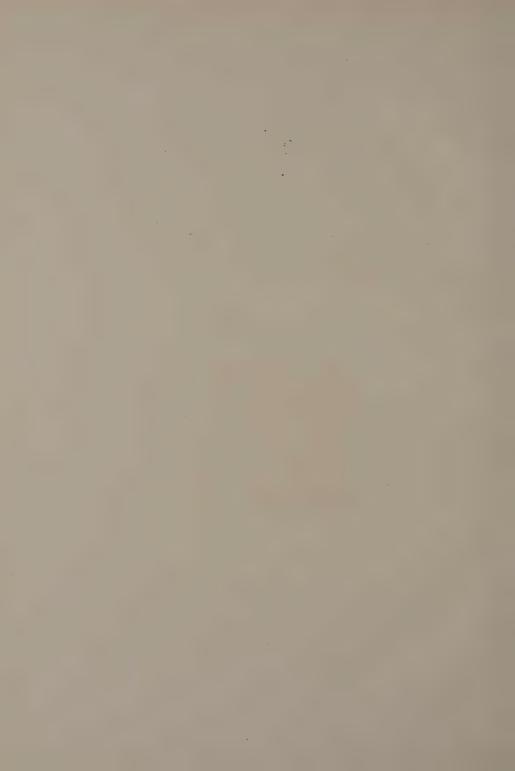
THE FUNCTIONS

THE ATHLETE

THE EDITOR

THE STATISTICIAN

THE RESIDUE







Institute Calendar

1907.

April 1	Monday				Registration Day.
April 1	Monday				Evening Classes Begin.
April 2	Tuesday				Spring Term Begins,
May 30	Thursday				Memorial Day, a Holiday.
June 7	Friday				Evening Classes End.
June 13	Thursday				Commencement Exercises.
June 14	Friday				College Year Ends.
June 17	Monday				College and Academy Entrance Examinations.
June 24	Monday				Summer Courses Begin.
August 2	Friday ·				Summer Courses End.
September 5	Thursday				College and Academy Entrance Examinations.
September 16	Monday				First Semester Begins; Registration Day.
September 30	Monday				Evening Classes (First Term) Begin.
November 28-29	Thursday a	and	Frid	ay	Thanksgiving Holidays.
December 6	Friday				Evening Classes End.
December 23-January 4					Midwinter Recess.

1908.

January 6	Monday .		Evening Classes (Second Term) Begin.
February 1	Saturday .		First Semester Ends.
February 3	Monday .		Second Semester Begins; Registration Day.
February 12	Wednesday		Lincoln's Birthday, a Holiday.
February 22	Saturday .		Washington's Birthday, a Holiday.
March 13	Friday .		Evening Classes End.
March 23	Monday .		Evening Classes (Third Term) Begin.
May 29	Friday .		Evening Classes End.
May 30	Saturday .		Memorial Day, a Holiday.
June 4	Thursday		Commencement Exercises.
June 5	Friday .		Second Semester Ends.





J. OGDEN ARMOUR
MRS. PHILIP D. ARMOUR
MRS. J. OGDEN ARMOUR
JOHN C. BLACK
SIMEON B. CHAPIN
FRANK W. GUNSAULUS
SAMUEL McROBERTS





The President
FRANK WAKELEY GUNSAULUS

The Comptroller and Secretary FREDERICK U. SMITH

The Dean of the Cultural Studies LOUIS CELESTIN MONIN

The Dean of the Engineering Studies
HOWARD MONROE RAYMOND

The Registrar
GEORGE F. DIETZ

The Librarian

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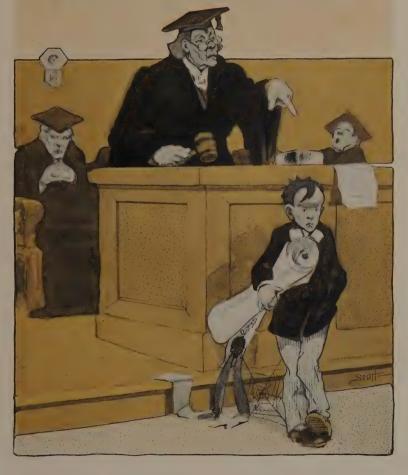




F. W. Gunsaulus H. M. Raymond

F. U. SMITH L. C. MONIN

THE FACULTY





In Memoriam

By the death in July, 1907, of Miss Rosa C. Lang, Instructor in German, the Armour Institute of Technology sustained a serious, perhaps an irreparable loss. For fifteen years, that is, since the opening of the Institute in 1893, she had been an honored and beloved member of the faculty. Associated with her from the first year were, besides the President and the Comptroller, only three of the present faculty, Miss Wright, Mrs. Beveridge, and Dean Monin; and because of their close companionship in the earnest pioneer work of developing the institution, these early associates especially mourn her loss.



Miss Lang was a native of Toledo, Ohio, and after some years of training in a convent and tuition at the hands of a cultivated German governess, she undertook a course of study at Cornell University. There she endeared herself to some of the most conspicuous of the Cornell faculty, including the noted critical student of Browning, Professor Hiram Corson, whom she venerated and who always remained her close friend and warm admirer. She was later teaching in the public schools of Toledo, when she was persuaded by a Chicago friend to come to this city to accept the position that she was occupying at the time of her death.

From the start she showed peculiar adaptability to the conditions of work at Armour Institute; so that her unusual worth made itself apparent, not only to the President and her co-workers, but also to Mr. Philip D. Armour, the founder of the Institute, who became her warm personal friend. As for her relations with the students of those early years, relations more intimate because of the smaller number of students at that time, it need only be said that every graduate remembers her with cordial feelings of firmest loyalty.

Miss Lang possessed brilliant intellectual powers; and she had been from her youth an insatiable reader, in her later years reading largely along philosophical lines. She was always well informed as to progress in the scientific



world, being thus enabled to show the young men of her classes that she appreciated and shared the interests that were to dominate their future lives. Students were always conscious of her rare gift of sympathy; under its genial influence they showed her the best of their natures, sometimes displaying virtues and mental gifts of which they themselves had been hitherto unaware. Nor was her interest in the students merely an assumed interest; it was a vital part of her life. She had their welfare truly at heart, remembered individual traits, and watched with deep interest their later progress in the world outside.

Her excellence as a teacher was particularly apparent in the almost incredible patience that she manifested in dealing with backward but earnest students who were hampered by dullness or by lack of early education. To such students she was always accessible; to them she gave especial consideration in the classroom, and hours of gratuitous assistance outside of recitation-hours. Many such students have felt for her a devotion that has expressed itself in words and deeds of loyal gratitude and affection. By the exercise, too, of her remarkable wit and unfailing good humor she frequently turned into mirth-provoking incident what might easily in the hands of a teacher devoid of a sense of humor have been productive of irritation on the part of both pupils and instructor. Many a hearty laugh enlivened her recitations and laid a foundation of cordiality and good comradeship.

In spite, however, of her gifts as a teacher, it was Miss Lang's noble character that made her influence so strong an inspirational force in the training of young men. As Dr. Gunsaulus said in a memorial address at the first Institute assembly of this school-year: "She gave to every young man with whom she came in contact the conception of an ideal woman." A Toledo friend wrote of her: "She was a woman of rare character, richly endowed with those heart qualities that she herself prized so highly in others—sympathy and the habit of love without censure." What the exercise of this latter power means in a teacher, only those who have seen the marvelous results of such a practice can fully realize: persistently to see the best opportunities of a human soul, to ignore its worst possibilities; and so, to encourage, to lead naturally to a healthy growth of the good, and the sloughing off of the bad—this means the highest service that any consecrated human being can give his fellow-men.



The President

FRANK WAKELEY GUNSAULUS.

Birthplace, Chesterville, Ohio. A. M., Ohio Wesleyan University, 1975. D. D., Beloit College, 1895. LL. D., Ohio Wesleyan University, 1906. Beta Theta Pi. Member of American Social Science Society, Academy of Arts and Sciences, etc., etc. Author of "Phidias and Other Poems," "Songs of Night and Day," "Transfiguration of Christ," "Monk and Knight," "Life of William Ewart Gladstone," "Metamorphosis of a Creed," "November at Eastwood," "Loose Leaves of Song," "The Man of Galilee," "Paths to Power," "Higher Ministries of Recent English Poetry," and "Paths to the City of God." Residence, 5835 Monroe Avenue.

The Dean of the Cultural Studies

Louis Celestin Monin,

Birthplace, Berne, Switzerland. Universities of Leipzig and Zurich, 1878-1882. University of Heidelberg, 1886-1888. Ph. D., University of Lake Forest, 1891. National Secretary and Treasurer for Switzerland of Zongia (Fraternity). President of the Department of Technical Education within the National Educational Association, 1907-1908. Member of National Educational Association, American Economic Association, American Sociological Association, Western Philosophical Society, American Psychological Association, Society for the Promotion of Engineering Education, and Chicago Literary Club. Author of various papers and articles on Educational, Economic, and Philosophical topics. Residence, 3250 Prairie Avenue.

The Dean of the Engineering Studies

HOWARD MONROE RAYMOND.

Birthplace, Grass Lake, Michigan. B. S., University of Michigan, 1893. Post-graduate work in Physics and Electrical Engineering, University of Michigan, 1894. Phi Delta Theta. Tau Beta Pi. Member of Society for the Promotion of Engineering Education, Central Association of Mathematics and Physics Teachers, American Institute of Electrical Engineers, and American Association for the Advancement of Science. Residence, 6115 Kimbark Avenue.







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Professor of Civil Engineering. Birthplace, Rouse's Point, New York.
A. B. and C. E., Union University,
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Professor of Mechanical Engineer-

Birthplace, Salt Lake City, Utah. A. B., Knox College, 1895. M. E., Cornell University, 1896. A. M., Knox College, 1897. Phi Delta Theta. Member of American Society of Mechanical Engineers; Western Society of Engineers; National Association of Stationary Engineers. Residence, 3436 Calumet Avenue.

GEORGE LAWRENCE SCHERGER.

Professor of History and Political Science.

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Birthplace, Lawrenceburg, Indiana. A.
B., University of Indiana, 1894.
University of Leipzig. University
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Author of "Evolution of Modern
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GUY MAURICE WILCOX.

Y MAURICE VILCOX.

Professor of Physics.

Birthplace, Kansas City, Kansas. A. B., Carleton College, 1891. A. M., University of Wisconsin, 1902.

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Donald Francis Campbell.

Professor of Mathematics.

Professor of Mathematics.

Birthplace, Nova Scotia, B. A., Dalhousie College, Halifax, Nova Scotia, 1890. B. A., Harvard University, 1893; M. A., 1895; Ph. D., 1898.

Member of American Mathematical Society. Author of "Elements of Differential and Integral Calculus," "A Short Course on Differential Equations," and other text books and mathematical papers. Residence, 1134. Oak Avenue, Evanston, Illinois.

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Professor of English Language and Literature.

and Literature.

Birthplace, Edinburgh, Scotland, Presbyterian Church College, Scotland, 1898. B. D., Adrian College, Michigan, 1892. F. R. G. S., London, 1894. Editor "New Standard Encyclopedia." Interpretive Studies of Scottish Authors. Residence, 2405 Lincoln Street, Evanston, Illinois.







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Professor, Director of Physical Culture, Medical Adviser.

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Birthplace, Elk Garden, Virginia. B. S.
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Northwestern Medical School, 1993.
Student k. h. Allgemelnes Krankenhaus, Vienna, Austria. Member attending staff, Home for Crippled and Destitute Children. Orthopedic Surgeon, Provident Hospital. Instructor Orthopedic Surgery, N. W. U. Medical School. Kappa Sigma. Phi Rho Sigma. Member American Medical Association, Illinois State and Chicago Medical Societies, and Medical School Inspector, City of Chicago. Residence, 6530 Lexington Avenue.

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Professor of Electrical Engineering. Professor of Electrical Engineering, Birthplace, Milwaukee, Wisconsin, B. S., University of Wisconsin, 1000. Acting Professor of Electrical Engineering, Rhode Island State College, 1901-02. With Chicago Edison Co., 1902-04; Chicago Telephone Co.; Western Electric Co. Member Society for the Promotion of Engineering Education, National Electric Lighting Association. City address, 542 Marquette Building.

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Associate Professor of Electrical Engineering.

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Associate Professor of Physics.
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Nebraska, 1804.
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Member of American Chemical Society. Author of "The Chemistry of
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Instructor in Physics.

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WILLIAM FRANKLIN WILLARD.

Instructor in Freehand and Mechanical Drawing.

Birthplace, Sabillasville, Maryland.
University of Illinois, Bradley Polytechnic Institute, and University of Chicago. Residence, 3812 Indiana









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Instructor in Chemical Engineering.

Birthplace, Chicago, Illinois. B. S., Armour Institute of Technology, 1907. Member of American Chem-ical Society. Tau Beta Pi. Resi-dence, 153 Evanston Avenue.

THOMAS C. POLLOCK.

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JOHN SIMPSON REID.

Instructor in Mechanical Drawing and Machine Design.

and Machine Design.

Birthplace, Kilmamock, Ayrshire, Scotland. Irvine College, British Government Science and Art Schools, Glasgow, Scotland. Member of American Society of Mechanical Engineers. Author of "A Course in Mechanical Drawing," and "Machine Drawing and Elementary Machine Design." Residence, 3312 Dearborn Street.

J. G. H. LAMPADIUS.

Instructor in German.

Instructor in German. University of Leipzig, Germany. University of Leipzig, 1884-1885. A. B., University of Southern California. A. M., University of Southern California, 1902. University of Oklahoma, 1904. Residence, 138 West 73rd Street.

LOUIS HENRY HAYNES.

Instructor in Electrical Engineer-

Birthplace, Farmingham, Mass. B. S., Tufts College; M. S. in 1900. Asso-ciate member American Institute of Electrical Engineers. Residence, 3228 Vernon Avenue.

GEORGE EVERETT MARSH.

Instructor in Electrical Engineering.

ing.

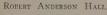
Birthplace, Georgetown, Colorado, Sc.
B., Massachusetts Institute of Technology, 1902. Member of American Institute of Electrical Engineers, Illuminating Society, American Fern Society, Papers on Algebraic Equations of Lissajous's Curves of All Orders, New Theorems in Combinations, High Potential Interrupter, Machines for Describing Curves, etc. Residence, 3739 Indiana avenue.











Instructor in General Chemistry.

Birthplace, Salisbury, North Carolina.
L. I., Peabody Normal College. Normal School, Houston, Texas. A. B.,
University of Chicago, 1905; Ph. D.,
1907. Sigma Xi. Author of "Studies in Catalysis," The Formation of
Guanidines from Isoureas." Residence, 30 Graduate Hall, Ellis Avenue and 59th Street.



CHARLES EDWARD BOUTWOOD.

Instructor in Painting and Drawing.

Birthplace, London, England. Studied South Kensington Museum. Scholarship Royal Academy School, London. Studied in Paris under Bouquereau and Fleury. Member Chicago Society of Artists. Residence, Hinsdale, Illinois.





Record Clerk
Assistant Librarian
Assistant in the Office of the Registrar
Stenographer in the Office of the Deans
Stenographer in the Office of the Comptroller
Assistant in the Gymnasium
Assistant in the Library
Curator of the Chemical Laboratories
Assistant in the Office of the President
Assistant in the Office of the Deans
Stenographer in the Mechanical Department

HENRY GEORGE CLASEN
MARGARET E. GRAFIUS
ROBERT MARTIN
JANE L. FORREST
NORMA G. ERICKSON
T. F. CORNELL
EMILY L. NICOLS
A. E. DEAN
CHARLES STRIDIRON
WALTER ATKINSON
H. H. HARRISON

Chief Engineer at Power Plant
Assistant Engineer at Power Plant
Mechanician
Mechanician
Mechanician
Assistant in the Mechanical Laboratories
Assistant in the Foundry
Assistant in the Forge Shop
Electrician
Assistant in the Mechanical Laboratories
Assistant in the Pattern Shop
Assistant in Machine Shop
Assistant in the Electrical Laboratories
Mechanician

DWIGHT B. RAMSEY
JOHN- ALLEN
JAMES O. MULVEY
ARTHUR F. ELLIS
LOUIS FALK
GEORGE HERMANSEN
THOMAS McGRATH
MICHAEL MALONEY
CLAUD D. BOWMAN
WILLIAM TORANGES
EDWARD PROSSER
CHARLES H. FORNHOF
SAMUEL R. TODD
J. O. BLACHFORD



The Armour Institute of Technology was founded by one of America's noblest philanthropists, Mr. Philip D. Armour, a man whose name is inseparably connected with the history of Chicago and the Middle West. The institution which bears his name is an enduring monument to the ideals for which Mr. Armour stood. The Armour Institute of Technology was founded because of his faith in the perfectibility of man, as well as because of an optimism and kindliness of spirit which led him to believe in a great future for the young men of this nation, if properly trained and guided. The aim of the Institute has been the broad one of



A WINTER VIEW

educating the entire man—head, hand, and heart, and of making possible the acquisition by its students of knowledge, skill, and culture, and above all, of developing self-reliance and manliness. Mr. Armour's philanthropy was not of the enervating kind that makes its recipients dependent. He desired to help only those who wished to help themselves. He did not aim to carry men, but to teach them how to walk.



In the history of Armour Institute of Technology another name will ever be linked with that of Mr. Armour—the name of Dr. F. W. Gunsaulus, whose mighty brain, warm heart and eloquent tongue were needed to plan and supervise the work. He has not only shaped the policy of the Institute and by his presence created an atmosphere of generous and vigorous ideals of life, such as no other institution of its nature possesses, but it was his eloquence which awakened in Mr. Armour's mind the design to establish Armour Institute of Technology. Dr. Gunsaulus one Sunday preached a sermon at Plymouth Church, of which he was then pastor and of which Mr. Armour was a member. In this sermon he lamented the fact that so little was being done to prepare young people for the practical duties of life. At the conclusion of the service Mr. Armour offered to his elo-



THE MACHINE SHOP

quent and enthusiastic pastor the means wherewith to erect an institution that would meet these needs.

The interest of Mr. Armour in the practical training of young people had already been awakened to some extent by observing the work done under the direction of Mrs. Julia A. Beveridge at the Armour Mission. The Armour Mission had been built by Mr. Philip D. Armour to carry out the wish of his brother, Mr. Joseph Armour, who had left a bequest of \$100,000 for that purpose. The building was opened in 1886. Mrs. Beveridge, believing that the usefulness of the Mission might be increased by taking up manual training, organized classes in wood-carving, clay-modeling, tile-making, and drawing for the boys, and classes



in domestic arts for the girls. The success and popularity of these classes, together with the influence of the suggestions of Dr. Gunsaulus, induced Mr. Armour to erect and endow munificently an institution devoted to practical and liberal education. A visit to eastern institutions was made by Mr. Armour and Dr. Gunsaulus, with the result that they decided to organize a school similar to Pratt or Drexel Institute.

Upon their return a Board of Trustees was organized, consisting of the following: Mr. Philip D. Armour, Mr. J. Ogden Armour, Mr. William J. Campbell, Mr. Philip D. Armour, Jr., and Mr. John C. Black. A charter was obtained from the legislature incorporating the new institution.

A handsome and spacious building was completed in 1892, the first classes being organized in the fall of the next year. Dr. Gunsaulus, as President, was assisted by a small, but very efficient, faculty, of which Prof. L. C. Monin, Miss



THE FIRE PROTECT LABORATORY

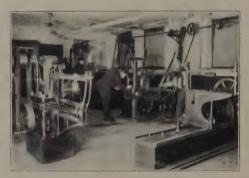
Carrie Wright, Mr. John E. Snow, Mrs. Julia A. Beveridge, and Mr. Agle are still associated with the Institute. The trustees generously fostered the growth of the new institution. Mention must also be made of the work of Mr. F. U. Smith, to whom this book is dedicated, and who, as Secretary of the Board of Trustees and Comptroller of the Institute, has since the inception of Armour Institute of Technology, taken the keenest interest in everything that would redound to its progress and efficiency.



At the time of its foundation the Institute comprised the Scientific Academy and the Technical College as at present, but also included Departments of Domestic Arts, Commerce, Music, and Kindergarten Normal Training. The courses included in the Technical College were: Mechanical Engineering, Electrical Engineering, Chemistry, Architecture, and Library Science.

The first dean of the Armour Institute of Technology was Prof. Thomas C. Roney, at whose death Prof. Victor C. Alderson became dean. When Prof. Alderson resigned to accept the presidency of the Colorado School of Mines, Golden, Colorado, Professor Louis C. Monin was appointed dean of the Cultural Studies and Principal of the Scientific Academy, while Professor Howard M. Raymond became dean of the Engineering Studies and also took charge of the supervision of the Evening Class and Summer School work.

The process of evolution through which Armour Institute of Technology has passed since its foundation was unlike that through which Herbert Spencer considered the universe to have passed, for it was a transition out of a stage of indefinite, incoherent heterogeneity to one of definite coherent homogeneity. More



A CORNER OF THE TESTING LABORATORY

and more the idea came to predominate that it should be an engineering school. All other work was eventually eliminated. In 1901 co-education in the Academy was given up, so that the instruction is now limited to young men. All the engineering courses have been strengthened from year to year. Departments of Chemical and Fire Protection Engineering have been added to the other engineering departments. Since 1902 Evening Classes have been offered, and the evening



work has attracted many men who are employed during the day and who wish to take advantage of this opportunity of acquiring a technical training that is thus placed within their reach. At the same time summer courses were offered which are proving more helpful and popular each year.

An additional building known as Machinery Hall was erected in 1902, Mrs. P. D. Armour having donated the building, while Mr. J. Ogden Armour bore the expense of providing the equipment, which in its excellence is unsurpassed by any similar institution in this country. Mr. J. Ogden Armour also presented to the Institute the grounds known as Ogden Field, the opening of which has greatly stimulated the interest in athletics among the students and faculty. The most recent event in the progress of our Institute has been the organization of the Chapin Club, made possible by the generous gift of Mr. S. B. Chapin, which promises to promote good fellowship among the students.



LOOKING UP

Located in the great metropolis of the West, the Institute offers to its students opportunities of acquiring a practical training in engineering which would be impossible in almost any other locality. Inspection visits to great manufacturing establishments supplement the instruction in class-room and the work in shops, laboratories, and drafting rooms. More and more the industrial and commercial establishments of Chicago are turning to the Institute for assistance and cooperation, and are offering to students and graduates splendid inducements for work. In Mechanical Engineering tests are made at the Institute of the most extensive nature, such as tests of complete power plants, boilers, mechanical apparatus, automobile parts, strength of various materials, such as iron and steel. The United States government has a testing laboratory for concrete, in which our



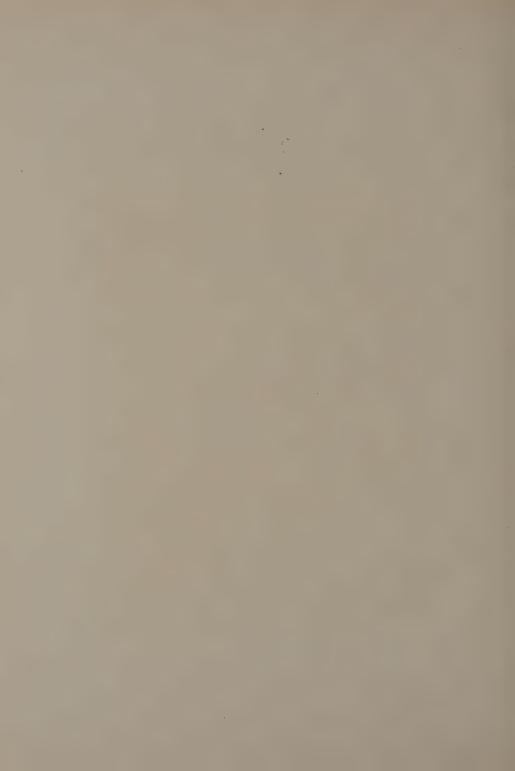
students work. In the Chemical Engineering Department, sanitary and bacteriological work is carried on, analyses are made of various organic and inorganic compounds, and electro-chemical work performed.

In the Department of Electrical Engineering photometric tests and tests of electrical machinery are made. The instructors of the Civil Engineering Department are often called upon to give their services as expert witnesses. The Departments of Physics and Fire Protection Engineering in like manner do extensive work along practical lines.

We have all reason to be proud of the remarkable progress made by the Armour Institute of Technology within so short a period. Her graduates are holding prominent positions in all lines of engineering work and can be met in almost every part of our country and even in foreign countries. They are true and loyal to their alma mater and are reflecting honor and credit upon the institution that sent them forth. Successful as the past has been, all associated with the Institute in active work, as well as the host of its friends, look forward with perfect trust to a glorious future.







THE CLASSES





The College of Engineering

OF

Armour Institute of Technology

33rd Street and Armour Avenue

Chicago, Illinois



Founded 1892

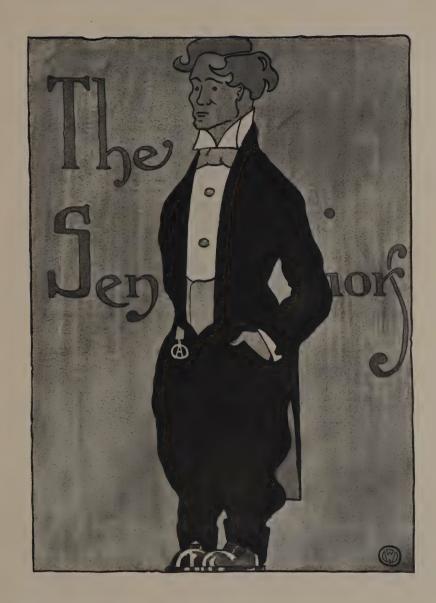
by

PHILIP DANFORTH ARMOUR



Colors: Yellow and Black

YELL: "Arch! Mech! Civ! Elec! Rah! Rah! Armour Tech."



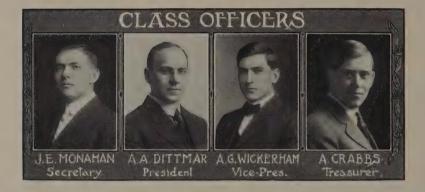


The Class

OF

Nineteen Hundred and Eight

Seniors



Colors: Scarlet and Black

YELL: "You bet we're great!

Armour Tech! '08!"

INTEGRAL REPRESENTATIVES

Austin Crabbs

J. E. Monahan

FULCRUM REPRESENTATIVE
ELLIS E. Andrews

T. C. OEHNE, JR.

SOCIAL COMMITTEE M. A. BUEHLER

G. F. Wolters



List of Members of the Senior Class

STUDENTS IN CIVIL ENGINEERING

Cahan, James	Harger, Kendrick	Schram, Irwin H.
Cerny, James	Holmboe, R.	Stevens, R. L.
Converse, W. I.	Larson, R. Lawrence	Sturtevant, Roy W.
Dittmar, A. A.	Matthei, H. R.	Trinkaus, William, Jr.
Douthitt, Merton, J.	Meyer, Grover J.	Urson, Frank J., Jr.
Eaton, A. W. Jr.	Packer, Charles S.	Webb, Alex R.
Ellington, H. S.	Pollak, Ernest	Wilsey, G. H.
Guerin, James		Zimmerman, S. L.

STUDENTS IN MECHANICAL ENGINEERING

Barrett, Dwight O.	Friedlander, L. C.	Morgan, W. C.
Burge, G. C.	Glos, H. V.	Pahlman, Paul J.
Busse, C. F.	Holmes, W. E.	Parry, Guerdon G., Jr.
CHAN, Y. H.	Latta, Smith H.	Perkins, Robt. A.
Crabbs, Austin	Lewis, Raymond L.	Stillman, Edwin H.
Ebner, Alfred J.	Monahan, J. E.	Townsend, John Selby

STUDENTS IN ELECTRICAL ENGINEERING

Cornwell, A. B.	Oehne, T. C., Jr.
Grant, R. G.	Petty, E. W.
Jacobson, J. H.	Rasmussen, E. H.
Johnson, A. Roy	Simmons, Lesley E.
Laurence, V. E.	Souther, S. A.
Morey, Clive R.	Vacek, V. F.
Nichols, H. W.	
	Grant, R. G. Jacobson, J. H. Johnson, A. Roy Laurence, V. E. Morey, Clive R.

STUDENTS IN CHEMICAL ENGINEERING

Andrews, Ellis E.	Lunak, S. E.	Teesdale, C. H.
Chatain, Paul E.	Pacyna,/ A.	Wilsnack, G. W.
Ettenson, I. Z.	Patrick, W. W.	Winser, Roy A.
De Lemon, Hugo	Sherman, R. F.	Warszewski, F. S
	Smith L R	

STUDENTS IN ARCHITECTURE

Berger, L. T.		Ostergren, R. (C. Wickerham,	, A.	G.
Botteron, C. I.		Thompson, M.	L. Wolters, G.	F.	
McFldowney G	R		Wijehrmann	7.7.7	C

STUDENTS IN FIRE PROTECTION ENGINEERING

Eyers,	Walter	Richardson,	J.	R.	Thompson,	F.	L.



EDGAR WHITTINGTON ADAMS, Electrical Engineering.

Tau Beta Pi. ²
Armour Branch A. I. E. E.; Y. M. C. A.; Class Baseball;
Associate Editor The Fulcrum (2); Third Marshal of
Junior Week (3).

On March 11, 1885, a chubby little piece of humanity was left in Baltimore at the home of one of the direct descendents of the first man. This bundle of smiles and talk grew and grew, and finally it came west to Armour in the person of the man before you. Adams is quite a fluent man and yet if we come to think of it, his talk is harmless and mostly sensible. "Whitty" is a good hard worker, but is always smiling. Somehow, we believe that he cannot help that at all—it's just his nature.

MAX J. ANDERSON, Electrical Engineering.

Armour Branch, A. I. E. E.

"Andy" is a son of the Wolverine State, as he is a native of Hartford, Michigan, at which place he blossomed forth on June 6, 1882. Andy is one of the few married men among the Seniors, Mrs. Anderson being the only associate member of the A. I. E. E. He and his bosom friend, "Mississippi" Cornwell, are at present busily engaged in an engineering venture which consists in watching the wheels go round in alternating current watt meters.

ELLIS ERASTUS ANDREWS, Chemical Engineering.

Tau Beta Pi.

Chemical Society.

"Rastus" joined the earthly throng in Detroit, Michigan, October 22, 1887, and in a few years graduated from South Division High and came to Armour. The happiest moment of his college life was when he wore the bailiff's star in the Junior Week celebration of '07. He is something of a "stude" and was the first member of Tau Beta Pi from his class. He has a sincere belief that one should acquire every possible bit of knowledge while in college but we like him none the less for that.

HAROLD RALPH BADGER, Electrical Engineering.

Armour Branch, A. I. E. E.; The Sphinx; Y. M. C. A.; Nebraska Club; Chairman Smoker Committee, 1906; First Marshal of Junior Week (3), 1906; Editor of Fulcrum for 1904-05; Editor of Integral, 1905-06.

Ralph is one of the great "jiners" of Armour Institute, having been a member of more societies since he came from Heaven to Oneida, New York, on January 2, 1886, than any other two men in school. Many of these clubs he himself organized. Ralph has been Editor-in-chief of both the Futerum and the Integral and turned out some mighty good publications too. If he is as ambitious and persevering after the gets his sheep skin, "H. R." stands a good chance of succeeding Bryan to the Presidency.

EUGENE MARK BEATY, Electrical Engineering.

Tau Beta Pi.

Armour Branch, A. I. E. E.; Nebraska Club, President (4).

"Easy Mark" first saw daylight away out in Blair, Nebraska, on May 30th, 1886, and evacuated Blair High School for A. I. T. By dint of hard work, and the use of his expansive smile, he procured a "stand-in" with the profs which boosted him into Tau Beti Pl. His chief ambition aside from his studies has been the upbuilding of the Nebraska Club.

LAWRENCE T. BERGER, Architecture.

The Atelier.

Berger is a product of a foreign country, having been born in Constance, Germany, on August 10, 1887. That nation was too slow for him, and so he just had to come to Chicago. In the Academy he discovered that he was something of an architect, and so for the last four years his shortness has been daily seen splashing water colors on designs of baseball parks, Cathedrals, competition drawings and the like, with which the architects are wont to pass away their spare hours...

CLARENCE IRWIN BOTTERON, Architecture.

The Atelier, White Scholarship (3); Y. M. C. A.

"Bot," the pugilistic architect from Fort Wayne, Indiana, added his name to the world's directory on April 10, 1883. His days of preparation were spent in the confines of the Tri-State Normal School—class of 1902. After obtaining his freedom from this school, he worked two years and then migrated to Armour Institute to take up the course of Architecture. What spare time this course allowed him, he has devoted to his side lines. He became a champion wrestler and a wonderful business man. In the latter capacity, he is second only to such as Max Woldenberg, Howard Brothers, etc. He also worked hard in the interests of the Y. M. C. A., and in other politics.

MARTIN ANTON BUEHLER, Electrical Engineering.

Armour Branch, A. I. E. E.; Glee Club; First Marshal, Junior Week (3); Social Committee (4); Chairman Smoker Committee (4).

Marty comes from Peoria, where on the tenth of February, 1886, he began his strenuous life. At an early age he gave promise of being a big man, and for years was the prize Mellins Food baby of his town. Even now, he is the biggest man among the Senior Electricals and almost invariably is mistaken by visitors for a professor. He can not tell whether this is a joke on himself or on the faculty. He had much vocal practice while still an infant and is one of the best warblers of the Glee Club. Just at present he is pursuing the even tenor of his life.





GEORGE CUMMINGS BURGE, Mechanical Engineering.

Tau Beta Pi.

Senior Mechanical Society; Class Bowling Team.

Behold a pleasant faced Puritan from New England! George was born in Nashua, New Hampshire, on April 29, 1885, and graduated from the city high school in due course of time; but somehow he decided that Armour offered more opportunities for the study of power plants and such things. He knows a great deal about power plants by now, and was so busy testing one of them that he finally had to put full steam on to get in the Senior section of the Integral at all.

CLAYTON FRANCIS BUSSE, Mechanical Engineering.

Senior Mechanical Society, President (4); Mandolin Club; Class Baseball (1) (2) (3) (4), Manager (4); Class Basketball (4).

This Mr. Busse, the forty-second cousin of our distinguished mayor, was born and raised in Chicago—September 22, 1884, being the date of his appearance. After getting the best subjects the Northwest Division High School had to offer, he went to Lake View High and finished in 1903. Like many other fellows, he chose the technical profession and came to Armour to become a Mech. Here his career has been somewhat varied, he being interested in athletics, politics, music and the drama. He is noted principally for his rendering of the late popular airs on the piano in Engineering Hall and for the late popular airs on the piano in Engineering Hall and for the success with which he has run the Senior Mechanical Society.

JAMES CAHAN, Civil Engineering.

Cahan is not an anarchist, even though he does hail from Warsaw, Russia, where, according to Chicago journalists, every second man has a bomb under his coat. In spite of troublesome times, he managed to graduate from the Technical College of Warsaw in 1904 and then came to the 'stute to enter the Sophomore class. Since his sojourn here, as he says, he has been a little stressed by the numerous high stresses, but notwithstanding this, Mr. Cahan will go through a-flying.

JAMES CERNY, Civil Engineering.

Civil Engineering Society; Class Football Team (2).

Although Jim was born in Bohemia about January 6, 1886, he never was a relative of the great composer who was so unfortunate as to bear the same name. Cerny should have been a hobo for he utterly refused when requested to get under water in a caisson. On another occasion, he showed his resentment for water by collecting accident insurance when the water lens exploded and a little hot water touched his hands.

FRANK CAMPBELL COLLINS, Electrical Engineering.

Tau Beta Pi.

Armour Branch, A. I. E. E.

"Chief" was dropped by the stork in Lake Geneva, Wisconsin, May 1, 1887, Armour Institute receiving him from Lake View High School. Although laboring under the difficulties adherent to the name of Campbell, he got through math well enough to win his stars in Tau Beta Pi. Somehow, strange to say, he has kept on studying just the same.

WILLIAM IRVING CONVERSE, Civil Engineering.

Civil Engineering Society, President (4).

In the small town of Monticello, Ohio, on May 8, 1884, Irvy got his initial glimpse of the light. He has this unique distinction, that when a youth, artists contended for his services as a model. In Brownstown, Indiana, there are still extant Serpho heads which have been fashioned from the features of our worthy classmate. He has been a prominent entry in several class affairs but is otherwise perfectly normal and at times almost rational.

Augustus B. Cornwell, Electrical Engineering.

Armour Branch, A. I. E. E.

A. B. is a real live nephew of our Uncle Sam, since he advented on July 4, 1880, at Plattsburg, Mississippi. In due course of time he became a graduate of Louisville Normal and thinking it was the school teacher's stunt for his'n, hied himself to Texas and there acted as a fountain of wisdom to the natives. In three years he learned the error of his ways and then came to the 'stute. By June he will have absorbed sufficient knowledge of the invisible juice to return to the swamps of Mississippi and startle the peaceful inhabitants.

Austin Crabbs, Mechanical Engineering.

Phi Kappa Sigma.

Radical X; Senior Mechanical Society; Sphinx; Treasurer of Class (4); Manager College Track Team (3); "A" in Track (1); Editor-in-Chief, The Integral (3); Member of Board of Athletic Control (4).

This good looking youth of Chicago came to gladden his parents' hearts in Gibson City, Illinois, on October 30, 1883. From the time he took the family clock to pieces to see the wheels go round until he dismantled his auto to count the number of teeth in each gear wheel, he has evinced a distinct tendency towards getting at the bottom of things—a tendency which is liable to make a good engineer out of him if he can overcome his one fault—a predilection for pedantical procrastination.





ADAM ALBERT DITTMAR, Civil Engineering.

Civil Engineering Society; President of Chapin Club for 1908; Glee Club (1) (2) (3) (4), Leader (2), Manager for 1907; Mandolin Club (4); Bowling Team (1).

"Daddy Dit" is distinguished in many ways: He is class president; he is president of Chapin Club; he is the big chief who had to humor the feelings of the members of the Glee and Mandolin Clubs for the past year; and not least of his troubles by any means, he is the proud possessor of an Adam Dittmar, junior, which arrived last summer. Dit's other chief claim for a nitche in the Armour Hall of Fame is his dignified bearing on state occasions.

MERTON J. DOUTHITT, Civil Engineering.

Civil Engineering Society; Camera Club.

On August 31, 1884, the sunlight shone on the most unique character in Vicksburg, Michigan, who was none other than our friend "Mert." As a dreamer, he eclipses Pharaoh. Who will ever forget the night when Douthitt's nightmare left him on the Ludington hills in his pajamas? He made the startling discovery that pickled minnows wiggle when placed in fresh water. It may be mentioned among a list of his attainments that he created the perfumed rose industry and is an authority on tunnel work.

ALBERT W. EATON, Civil Engineering.

Civil Engineering Society; Sub-Marshal, Junior Week (3); Class Auditing Committee (2) (3); Class Baseball Team (1) (2) (3).

"Fatty" was born March 24, 1886. He is a wonderful exponent of Agony's maxim—so full of difficulties and complications—
"Work! or work someone." He is desirous of becoming a politician or the holder of a "big job" that requires no effort. He has the happy faculty of addressing envelopes to himself in order to create the impression of having an extended correspondence. As a heavy man, he heads the class.

ALFRED JOSEPH EBNER, Mechanical Engineering.

Senior Mechanical Society; Sub-Marshal, Junior Week (3); Class Baseball (1) (2) (3) (4); Class Bowling Team (2) (3) (4).

This middling-good-looking youth is another product of Chicago, having come to this vicinity on January 24, 1886. In the intervening twenty-one years, Eb has had a number of ups and downs. He prep'd at Lewis Institute and then came over to this South Side school to learn engineering. He is now quite a devotee of the sporty game of matching pennies and with Mulloy, as a side partner, can write reports which will be accepted first trip by 'Billy' Anderson.

HAROLD SLAIGHT ELLINGTON, Civil Engineering.

Delta Tau Delta. Civil Engineering Society; Radical X; Sphinx, President for 1908; Business Manager of the Fulcrum (2); Class Treasurer (3); Chairman Auditing Committee (4).

"Elly" arrived in Chicago January 24, 1886, and has remained here ever since. It should be stated that Mr. Ellington has visited the regions surrounding the Bugg House on Hamlin Lake, where, thanks to the training he received at the Chicago Nautical School, he held the position of chief engineer of a gasoline launch. Although not a big man physically, Elly is noted for the dignifed frowns with which he soulches all ideas opposing his own.

ISIDORE Z. ETTENSON, Chemical Engineering.

Senior Chemical Society, President.

"Izzy" was born in New York August 23, 1885, and never got over it. Several years later, he came west to take advantage of the superior education to be obtained here and after a prep course at Hyde Park entered the Tech, where he has arisen to the proud position of boss of the Senior Chemicals. No one but the intrepid Mr. Freud has dared to disturb his equanimity. Izzy may often be found during his spare hours in the engineering rooms engaged in a quiet little game of chess with his friends.

WALTER EYERS, Fire Protection Engineering.

Eyers-Thomson Mutual Admiration Society; Sphinx, Secretary (3); Editor-in-Chief, The Fulcrum (2).

"Literary Extravaganza" came upon this unsuspecting world up in Humbolt, Michigan, on April 13, 1885. For his prep school he accepted the Negaunce High and while there, showed his editorial abilities by editing "The 1903 Negauncesian." After a few attempts at acquiring knowledge in the Metropolitan Business College, the hopeful finally came to Armour to learn how to handle hosewagons and climb fire escapes. This interesting occupation has not taken up all of his time and he has managed to assist several engineering firms of the city to weather the panic.

LAWRENCE C. FRIEDLANDER, Mechanical Engineering.

Senior Mechanical Society, Secretary (4).

"Freedy" is one of the big noises of the Mechanical society, his duties there being the keeping of the minutes. He has learned a lot about engineering in the years since he startled the inhabitants of Toledo on July 17, 1887, and after meetings can ask sensible questions of every lecturer. His main ambition since he entered from Hyde Park has been to know more about gas engines than does Prof. MacFarland.





HAROLD VICTOR GLOS, Mechanical Engineering.

Tau Beta Pi.

Senior Mechanical Society.

Thursday, December 16, 1886, was a day long to be remembered by the town folks of Wayne, Illinois. Then it was that Harold Victor Glos was introduced into this beautiful world. He soon developed into the sweetest and prettiest baby of the town and his silken curls won many friends for him. This sweetness and beauty, which he has retained in spite of his course at Armour, have placed him high in the social ranks of this school and have given him the title of "Domestic Finish." Glos prepd in Armour Academy and entered the 1908 class of the Institute as an embryo Mechanical Engineer. He has made good in school, and will surely continue to do so if we know anything of him.

ROY GEORGE GRANT, Electrical Engineering.

Armour Branch, A. I. E. E.

Dundee, Illinois, claims this follower of Edison, and the birth record gives the date as November 3, 1885. He and his parents became imbued with the spirit of unrest, however, and when next heard from, Roy was a student at the Nashua, Iowa, High School. From here, he was graduated in 1903. His further education was entrusted to Armour profs and nobly have they succeeded. R. G. G. is also known as "Happy" Grant and is a member of the firm of Nichols, Grant & Co., whose specialty is Hydro-Electric power plant design.

JAMES GUERIN, Civil Engineering.

Radical X.

"Jimmie," otherwise known as "Ireland," strange to say, was born in Chicago about May 29, 1886. He visited the Emerald Isle when quite young, and after diligent study for several years, has become quite proficient in the use of swear words from the French, Latin and Spanish tongues. Here he acquired that refinement of temperament that persists in making itself known by strains of enchanting dialect music. After preparing at St. Ignatius College, he came to Armour in 1904. He is now an authority on Chicago River diving, dock time-keeping and inland lighthouses.

RALPH HOLMBOE, Civil Engineering.

Radical X.

The greatest fault of Ralph is that he is an intimate friend of Charley Packer. Being born on February 2, 1885, he is somewhat older than the boy who has influenced his life so greatly. His actions and ideas on the girl question are identical with the aforesaid boy, so please refer to that article. Mr. Holmboe has high hopes of some day being an engineer and if he is more careful about his companions we think that he may realize this ambition.

JOSEPH H. JACOBSON, Electrical Engineering.

Armour Branch, A. I. E. E.; Glee Club; Tennis Champion of School (2).

"Jake" was a "delayed Christmas present," having been born December 26, 1885. He learned to talk at an exceptionally early age and has talked ever since, being especially efficient at asking questions. His desire for mouth-motion enticed him into the Glee Club, where he made a decided hit. "Jake" is also a lady-killer of great renown and something of a tennis player as well. After graduating from the Chicago English High and Manual Training School, he made his presence known at Armour Institute by taking the course of Electrical Engineering.

ARTHUR ROY JOHNSON, Electrical Engineering.

Tau Beta Pi.

Armour Branch, A. I. E. E.; Y. M. C. A.

Roy, as he is called by most of his friends when they don't happen to call him "Johnny," happened in Sioux Falls, South Dakota, May 8, 1886. Ever since his boyhood days Roy has been in love, not with the same girl all of the time, it is true, but still he is still in love. Just who the fair damsel is at the present we cannot tell, but judging from Roy's sporty new three-button brown swell elegant suit, we imagine that her taste runs to brown clothes. Roy must be somewhat in love with his studies, too, as he is one of the sharks of the Society for the Prevention of Sleep.

REUBEN LAWRENCE LARSON, Civil Engineering.

Civil Engineering Society

This blond-haired youthful who cannot yet vote was born on July 19, 1887, in Chicago, Illinois, county of Cook. So attached to his native town is the lad that he is even now planning in a thesis to better it by a theoretical bridge across the muddy stream which separates his home from the 'stute. We are certain that if his ideas on the matter are carried out, Cooper, Morrison, Modjeski and the other big bridge builders would hold up their hands in wonder.

SMITH HARRISON LATTA, Mechanical Engineering.

Phi Delta Theta.

Radical X; Senior Mechanical Society.

This tall, English-looking young man dates his residence on earth from November 14, 1886, at which time Lancaster, Ohio, proudly received him. He later came to Chicago and after preparation at Lewis Institute and University of Illinois, entered a real technical school in 1904. His life the last few years has been quiet and unassuming, and some of the fellows suspect that there is someone who attracts him more than does "Peacock" Gebhardt's course in Engineering.





VICTOR EMANUEL LAURENCE, Electrical Engineering.

Armour Branch, A. I. E. E.; Glee Club (2) (3) (4), Leader (4).

Victor chirped his first carol on January 14, 1885, in the Illinois town called Paxton. He has always been noted for his singing, and it is said that he sang himself through grammar school. Still singing, Emanuel graduated from the town high school in 1902. His further efforts were made in Augustana College until 1905, when he made his debut into Armour society. Since then he has continued his warbling with no uncertain success, stopping only occasionally to eat his meals or study a little Electricity.

HUGO DE LEMON, Chemical Engineering.

Senior Chemical Society.

Earth was handed another huge lemon on the 29th day of September, 1886, up north in Appleton. Wisconsin was too slow for this kid, however, and he came to Chicago. He was graduated in 1904 while endeavoring to show the South Division High teachers the superiority of Badger training. His "high-water" trousers and low shoes at all seasons, coupled with his excellent violin playing, have been important adjuncts to the Institute ever since.

S. EVERETT LUNAK, Chemical Engineering.

Senior Chemical Society.

"Chuny," the eminent obenical engineer, conducted his first analysis of organic compounds very soon after March 8, 1884, in the neighborhood of Cleveland, Ohio. His hungry spirit was not to be limited to Ohio, however, and he came to Kewanee, Wisconsin, High for further assimilation of knowledge. While there, he learned of the need of A. I. T. for his tuition and valued attendance and proceeded to pack up and come to Armour's assistance. He has been here ever since—that's all.

HENRY RHEINHOLD MATTHEI, Civil Engineering.

Civil Engineering Society; Class Football Team (2); Sergeant at Arms (2) (3).

"Zowie" received his first bump when he struck this earth on April 18, 1886. He has been bumped by every prof who enrolled him and now has high hopes of being bumped into the Alumni Association. "Mister" Matthei must be complimented on the graceful manner in which he assumes the title of "brother" that is bestowed upon him by his favorite profs. "Zowie" is noted for his weight, his intelligent (?) questions and his ready bluff.

GROVER I. MEYER, Civil Engineering, .

Civil Engineering Society; Class Baseball Team (2) (3); Class Basketball Team (1) (2) (3) (4); Class Bowling Team (1) (2) (4); Track Team (2).

That "Suse" Meyer on June 10, 1886, gave to space his first contribution of sulphurous cuss words, has become an established fact. When he became a professional entertainer in this art, the fellows at the summer civil camp were charmed at his melodious and original rendering of the "Merry Widow." It should be stated that "Suse" contemplated a theatrical career, but his hopes were doomed to disappointment when the stage manager told him that the only place that he could fill was that of a king post truss and there was no vacancy in that position.

JOSEPH EDWARD MONAHAN, Mechanical Engineering.

Radical X; Sphinx; Senior Mechanical Society; Mandolin Club (1) (2) (3) (4), Leader (3); Business Manager of The Integral, 1907; Manager College Baseball (4); Secretary of Class (1) (2) (3) (4).

"Joe" is a product of Chicago, having lived in the city since August 7, 1885. Even in the Academy he was admired by all of his classmates and as soon as he entered the Tech, he was given the position of class secretary, a job he has held ever since. A Senior class meeting or a Glee Club concert without his broad Irish grin would be a strange thing indeed. When a fellow wishes any little job done, and done quickly, he is almost certain to trot to Joe with it, and in a short time this worthy has it up O. K. Pretty good sort of a lad, no?

CLIVE RIORDON MOREY, Electrical Engineering.

Armour Branch, A. I. E. E., Secretary and Treasurer (4); Mandolin Club (1) (2) (3) (4), Leader (4); Nebraska Club; Class Football Team (2).

On December 22, 1885, being then at a very tender age, Clive put in his youthful appearance in the burg of Hastings, where the Indians were running at large. When but two weeks old, he began to cry for something and was not appeased until he had been given a T-square and a Church's Mechanics. "Saek" was a pre-cocious kid and so went to High School instead of being sent to kindergarten. On his way to Armour, he was sidetracked at Omaha where, under the name of Ofice Morey, he tried to enroll in Sacred Heart. Since then, he has learned better.

HAROLD WILLIAM NICHOLS, Electrical Engineering.

Armour Branch, A. I. E. E.

Mr. Nichols, alias Nick, alias Math shark, made his debut at Sheffield, Iowa, February 23, 1886. We have good authority that at an early age he always crawled in epicycloidal curves and at three years he undoubtedly knew Taylor's Theorem like an old friend. During the time spent at Armour after graduation from the Nevada, Iowa, High School, Nick has boned with math and similar disagreeable studies with a constancy of purpose that leads us to wonder if he won't soon know all there is to be learned at the Tech.





THEODORE C. OEHNE, JR., Electrical Engineering.

Armour Branch, A. I. E. E., Vice Chairman (4); Class Auditing Committee (4); Class Social Committee, Chairman (4).

"Teddy C." was born September 20, 1884, in dear old Chi. Remaining here ever since, he has gone through the Chicago Manual Training School and has climbed to the dizzy height of an Armour senior. With an easy grace he presides over the meetings of Prof. Ratdke's electricians, and tries to prevent foolish questions from being asked the speakers of the evening. Aside from this, Mr. Theodore Oehne has ambitions of becoming the social leader of his class—a very creditable ambition for a person of his good looks.

ROBERT C. OSTERGREN, Architecture.

Tau Beta Pi.

Atelier, Massier (4).

"Robby" is a sailor. Had he not been one it is likely that he would never have reached our shore unless like the proverbial Irishman, he came over in a hack. Bobby is far from being Irish, inasmuch as he first saw the light of day on the night of April 30, 1881, in the city of Stockholm, Sweden. Bobby is an architect, his specialty being the planning of rough houses. Besides being an architect, he is the proud possessor of the most cultivated and cutest mustache in the senior class. This mustache gives Bobby his distinguished mien.

CHARLES SWASEY PACKER, Civil Engineering.

Radical X; Civil Engineering Society.

On August 10, 1886, "Cholly" was accidentally registered on the birth records of Chicago as a boy. He has remained one ever since, but still his affinity for the weaker sex is a puzzle. He revealed his identity in the following statement: "I like her, but the other girls don't." At the summer surveying camp it required the efforts of the whole bunch to prevent Charles from being convicted for bigamy. His main hobby is the use of cold cream and sachet powders.

ARNOLD PACYNA, Chemical Engineering.

Member Fulcrum Staff, 1907-08.

Pacyna claims Germany as his birthplace and puts the date as June 7, 1879. He was prepared at Armour Scientific Academy. During the past few years he has been employed in his spare moments by the United States Postoffice Department as an electrical-mechanic and so was one of the "also-tans" of last year's class. Lately he has developed a deplorable tendency towards cartooning and has bamfoozled Stillman into using some of the said cartoons to illustrate The Fulcrum.

PAUL JAMES PAHLMAN, Mechanical Engineering.

Senior Mechanical Society.

July the fourth, 1883, was the time "Polly" selected for his arrival and Chicago was the place. With such a start, how could he help but thrive! After graduating from Chicago English High School in 1901, Pahlman tried his hand as a banker with the Commercial National Bank. But his strong desire for study drove him to Armour's Institute to become a mechanical engineer. Here the charms of the drafting room could not be overlooked, and he soon became a star with the compass and triangle.

WILLIAM WILBUR PATRICK, Chemical Engineering.

Senior Chemical Society.

Patrick is in truth a shy young man and well deserves the name applied to him of "Meek Pat." His debut was made in 1887, the exact date being February 20. After several years in the high school of his native town, Midland, Michigan, he came to Armour Academy and graduated in 1904. Entering the Tech, he continued his Armour career as a chemical engineer. He was once observed walking up and down in front of the "Follies of 1907," but by the time he decided to enter, there were no seats left—poor "Pat."

ROBERT AUGUSTUS PERKINS, Mechanical Engineering.

Tau Beta Pi.

Glee Club; Senior Mechanical Society; Chess and Checker Club.

"Si" has been a warbler since his first solo at Montello, Wisconsin, on November 5, 1882, and the later audiences appreciate the sound of his voice far more than the first ones probably did. In his prep high school at Sioux Falls he learned the maniy art of playing chess and in 1907 became the champion of the club at Armour. Mr. Perkins spends most of his time in study, however, and is one of the main sharks of the Tau Beta Pi.

ERNEST POLLACK, Civil Engineering.

Civil Engineering Society.

Pollack was born in Vienna, Austria, some time ago. He came in '93 to see the World's Fair and our American ways pleased him so well that he stayed. We have never accounted for his very ladylike figure and the fine fit of his clothes, straight front, etc., but have heard that his father is a tailor. Anyhow, since his visit to gay Paree he is just "it" with the ladies, even though the boys at the summer camp did soak all the foreign labels off his dapper little suit case.





IRWIN H. SCHRAM, Civil Engineering.

Civil Engineering Society.

"No Ambish" has been likened to a shaggy, barrel-shaped, good natured grizzly, that lazily blinks and sleeps all day. He was probably born that way on October 14, 1888. While at the Bugg House he was usually found asleep at an instrument. He and Packer would make an ideal couple, judging from their friendly bouts on the surveying trip, where the cool summer breezes were more than once shocked by profian noises.

ROBERT F. SHERMAN, Chemical Engineering.

Senior Chemical Society; Camera Club, President (3).

Mr. Sherman came down to Lansing, Michigan, April 7, 1884. Within two years he could tell about dephlogisticated marine acid air and by the time he graduated from the Robert A. Waller High School, he could say Isodibromosuccinic acid without blinking his eyes. At present his knowledge of this mysterious science is quite stupendous. A number of his spare hours are spent in the Camera Club rooms or hiding around with a kodak hung from his shoulder. Down in his Sophomore year, it is reported that he made heaps of money as treasurer and manager of the Seventh Annual Camera Club Exhibit.

Leslie Elliott Simmons, Electrical Engineering.

Armour Branch, A. I. E. E.; Camera Club.

"Sim" comes from the Empire State, having been born in Richfield, New York, on July 17, 1886. He has never confided how he wandered so far from his native town. Mr. Simmons is reputed quite a traveler, as every morning he embarks on that scenic railway which leads from Oak Park to civilization. Every morning, regularly, he appears about ten minutes late, and we know that the Oak Park "L" has been delayed again. His chief fad is that of being a camera fiend.

SIDNEY A. SOUTHER, Electrical Engineering.

Tau Beta Pi.

Armour Branch, A. I. E. E.

Sid was left in this wicked world at Mount Rose, Illinois, March 16, 1887. His early life was spent in study and going to Sunday School. The class was electrified to hear him say "Gee" quite forcibly one day when he put his hand on an unlagged steam pipe in senior non-mechanical mech lab. During the past few years Sid has gone quite daffy on the subject of Electric Railways and for thesis work is planning to electrify the Rock Island so that passing trains will not disturb the Institute so much.

ROE LOOMIS STEVENS, Civil Engineering.

Civil Engineering Society, Secretary (4); Glee and Mandolin Club

Steve, that shy, retiring soul, had the distinction of being born in Vermontville, Michigan, on December 9, 1885. He is the encyclopedia of the '08 class and has had hours for consultation every afternoon in the week. He has ever been so wedded to math, that it is said of him as a child he went into hysterics when not allowed to play with osculating circles and lemniscates. Steve became so indispensable to the students that the school deemed it desirable to place him in the faculty lists.

EDWIN HOWARD STILLMAN, Mechanical Engineering.

Senior Mechanical Society; Sphinx; Y. M. C. A., President (3); Glee Club (2); Chess and Checker Club; Editor of Fulcrum (2) (4); Assistant Editor, The Integral (3).

Kid Stillman made his first appearance on December 9, 1885, at Orange City, Florida. That spot was too much of a paradise for him, and he came to Chicago. He has been quite busy since his sojourn at Armour. His efforts helped to reform the Armour Y. M. C. A., and he has never been "pificated" in spite of the earnest inducements of several of his degenerate classmates. Under his guidance, The Fulcrum has weathered two years of existence and it still has some occasional readers.

CLYDE H. TEESDALE, Chemical Engineering.

Senior Chemical Society

How the blare of trumpets did sound forth in the little burg of Constantine, Michigan, on December 26, 1885, when Clyde first blinked his eyes. In time, he gravitated to Chi and graduated from the Chicago Manual Training School. The chemical department soon claimed him for its own, however, and this reincarnation of the elevator boy may be seen every day mixing salts and making the air sulphurous.

MAYNARD LEGRAND THOMPSON, Architecture.

Phi Delta Theta, Tau Beta Pi.

The Atelier, Massier (3), Secretary (4).

This strong frat-man made his first public appearance in the town of Muscatine, Iowa, June 20, 1883. In the course of a few months he became strong enough to bear the shock of being called Maynard Legrand. Legrand, you know, is the French for "heap big," and while not so awfully great in cubical contents, Thomp is one of the big smokes among the Arshytecks. Judging by the castles in the air which he is usually building, this youth will make a great architect some day.





FRANK LEONARD THOMSON, Fire Protection Engineering.

Eyers-Thomson Mutual Admiration Society.

Behold the other half of the senior class in Fire Protection! This quiet, good humored personage was born in Eureka, California, September 29, 1878, and came to Armour five years after graduating from the town high school. Frank is one of the kind of fellows who saw wood and say nothing. His chief ambition in life, we believe, is to be a fire insurance inspector of his home town, where, 'tis said, a California lassic awaits his return.

JOHN SELBY TOWNSEND, Mechanical Engineering.

Phi Kappa Sigma.

Radical X; Senior Mechanical Society; Vice President of Class (1); Chairman Social Committee (3); Second Marshal of Junior Week (3); Bowling Team (1) (2).

Selby was born in Albia, Iowa, June 28, 1883, but at an early age he took his parents "Westward-ho" to Texas. While in High School at El Paso, he astonished the natives with his brightness. Eager for more knowledge, he forsook the land of the mountains and landed at Armour Tech. Lately, his zeal for study has been dampened and he spends many evenings with a fair miss of Chicago. The dread disease has taken a fast hold on him and we fear his case is hopeless.

WILLIAM TRINKAUS, JR., Civil Engineering.

Civil Engineering Society; Football Team (2); Baseball Team (1) (2) (3) (4), Captain (4); Basketball Team (1) (2) (3) (4), Captain (4); Track Team (1) (2); Class Bowling Team (2) (3) (4).

(Trink' or "Hank' has never let his studies interfere too seriously with his regular college course and in consequence is the best all-round athlete in the school. His graduation will be a great loss to athleties. Since March 21, 1887, Trink has always been in condition for any kind of a game. The boys like him so well that they have elected him captain of both the basket and baseball teams and Secretary of the Board of Athletic Control as well. In the Academy he obtained the Lolita Armour Scholarship and has been bluffing the profs on his reputation ever since.

VINCENT F. VACEK, Electrical Engineering.

Armour Branch, A. I. E. E.; Nebraska Club.

"Vince" came to join us from Omaha High School. He could have been born on Christmas, 1886, but preferred to arrive on December 5. His record is clear enough to see through and is backed up by his ambition to become a close relative of "Cap" Larson.

ALEXANDER RAFFEN WEBB, Civil Engineering.

Civil Society, Treasurer (4); Sub-Marshal, Junior Week (3); Class Baseball (2) (3) (4); Class Auditing Committee (4).

"Alex," the man with the wax figure complexion, began his human existence on March 14, 1887, at Chicago. He made his first impression at the explosion of the lantern lens in the Civil Society meeting and by his cool and courageous manner avoided the impending panic. To guard against a repetition of so unfortunate an affair he became a strong advocate for a "Ladies' Night" at the society's meetings and succeeded in having the more gentle form of amusement adopted several times by that august body.

ADAM GEORGE WICKERHAM, Architecture.

Phi Kappa Sigma, Tau Beta Pi.

Radical X; Atelier, Secretary (3), Traveling Scholarship, 1908; Vice-President of Class (4); Assistant Editor, The Integral (3).

"Weekie" is a product of Pennsylvania, having been born in Monongahela City, July 29, 1886. In spite of this drawback, the youth has turned out tolerably well. Although not a "grind," "Poosh-button" managed to get into Tau Beta Pi. If you manage to see him when he is not peevish, you will find Adam a fine young man, well worthy of his distinction of being one of the 26 really good men of Pittsburg.

GROVER H. WILSEY, Civil Engineering.

Civil Engineering Society.

Lena's most illustrious and mathematical son appeared on April 28, 1885. According to the custom of that day, he was named after the President, and later in life acquired the habits and manners of that prince of fishermen. His parents, believing that this was a sure sign that their boy should be an engineer, sent Grover to Lena High School, His training at Armour has made him an adept poker player, a confirmed bachelor and an admirer of gray hats.

GEORGE CARL WILSNACK, Chemical Engineering.

Senior Chemical Society, Secretary and Treasurer (4); Mandolin Club (3) (4).

George is another "furriner," having come over from Berlin, where on December 4, 1886, he was born. He helped to form a conspiracy among the senior chemicals to stay out of The Integral, but at the last moment the said conspiracy fell through and he scurried with the rest of them to the office with his picture. Otherwise, George has behaved very nicely at school, and is very well liked for his cheerful acquiescence to requests of "tickle the keys, please," in the engineering rooms during the noon hour.





ROY A. WINSER, Chemical Engineering.

Senior Chemical Society.

Winser is an Aurora man, having been an Aurora baby and an Aurora boy. He arrived March 3, 1886, and has remained on earth ever since. His folks would not allow him to go far away from home, so his early education took place in the local schools and he was graduated from the East Aurora High School in 1904. As a chemist at A. I. T. he has analyzed Freud's system of recitation and reduced it to its elements—thus he evades funking.

GEORGE FREDERICK WOLTERS, Architecture.

Atelier: Nebraska Club.

Mr. Wolters first saw the light of day in Waukon, Iowa, March 16, 1882. In spite of this fact he has always been "Nebraska George" to us, although just how long he has been a naturalized citizen of Nebraska we cannot say. It is said by those who know, that George is acquainted with 57 varieties of feminine loveliness which are to be found at the Art Institute. Just how he manages to keep on good terms with all of them seems quite wonderful to us who have a hard time handling one or two.

WILLIAM GERHARD WUEHRMANN, Architecture

Tau Beta Pi.

The Atelier.

This Saxon-haired youth comes from over the Rhine—no, not from Cincinnati, dear reader, but from Bremen—where he was born August 22, 1885. Bill is one of the most famous barn dancers at the Art Institute, and has been seen in this particular form of insanity in Flittation Hall many an hour when "Pa" Shattuck thought he was bending over a drafting board. He claims that the experience helps him to work better, but we think that there is another reason in his madness.

SAMUEL L. ZIMMERMAN, Civil Engineering.

Civil Engineering Society.

"Dutch" hails from McHenry High School, although his reception on earth was celebrated in Lonza, Russia. He has been a fairly peaceable citizen while among us, but there is a latent fire smoldering which almost burst into flame when he was requested to take eight hours of chemistry in his senior year. After strenuous efforts, he was able to free himself from that hankering for work which is so prevalent at Armour and which may have bothered him at some time.



The Follies of 1908

A COMEDY OF ERRORS.

CAST.

CASI,	
Boss of the Ward	Frary
Wielder of the Glad HandHooper F	egues
Assistant WielderIrving	Odell
Dispenser of Good CheerGeorge Fla	nagan
Dictator of Styles	hman
Circus Solly	y, Jr.
Assistant ClownsBobblett, P	
The Gold Dust Twins	organ
Typical FreshmenMessrs. Loofburrow, Chatain and N	itchke

Time-September 20, 1904. Scene-Noon Day Rest.

"Ham and." After placing their dinner orders thusly, the "trusties," representing politicians of the Class of 1908, gathered around a corner table to lay the plot for the first class election of the Freshmen. The Ward Boss and his advisors concocted the method of attack. It was decided that the chief weapon to be used against the opposition should be that of good fellowship and good cheer, together with jests and jibes furnished extemporaneously by Circus Solly and the Assistant Clowns. The Wielder of the Glad Hand, Assistant Wielder and the Dispenser of Good Cheer left the beanery in a hurry to secure more recruits, while the Dictator of Styles displayed the latest fashions to the admiring upper classmen. As fast as the recruits were brought in, they were treated to an exhibition of the Unwieldy Acts given by the Typical Freshmen. The Gold Dust Twins, leaders of the opposition and opposers of everything, are found to be dark and dangerous plotters, for they take themselves seriously, and, condemning the "antics" of the others as academic and unworthy of college freshmen, try to prove that the noblest occupation is to scour out knowledge with enormous intensity of purpose and with utter scorn and disregard for all else.

THE TAMING OF THE SHREW.

CAST.

Head Tamer"Herbie" Martin
The Lookout
Texas Cow-puncher
Texas Cowboy
Fire Chief
Assistant Fire Chief and the rest of the DepartmentF. L. Thomson
Scouts
Cloak Model. E. M. Beaty
The Vocalist
The Living Saint
Leader of Longwood Society
Time A see later (withink) Come Milkin Di Levil Co

Time-A year later (midnight). Scene-Michigan Blvd. and 34th St.

The 1908 hordes were resting on their haunches from a victory over the Freshmen and waiting for another fray. The Cloak Model proceeded to tell of his experiences in the department store, while the Leader of Longwood Society related his social stunts, explaining in detail the reason for his popularity with the girls. It required all of Vore's tact to restore order when the Vocalist burst forth into his flood of melody. Hardly had such been done when the Lookout reported the return of the Scouts. Valerio, in his effort to tell the location of the freshmen, stood on his head twice and tied his tongue in a bow-knot. Herbie in his bravery led the way and directed the fight from start to finish. The Texas Cow-puncher and the Cowboy, owing to their experience in the wilds of Texas, were able to deal single-handed with scores of the enemy. However, in this connection, the valuable services of the Chief and Assistant Chief of the Fire Department must not be overlooked. They supplied the weary troops with some "Lake Michigan." After a short time, the Class of 'og had been thoroughly tamed.



AS YOU LIKE IT.

CAST. -

CASA, 4
Ye Big MarshalMarty Buehler
Checker SharkBobby Perkins
Lady KillerJoe Jacobson
Integral VictimAdam Wickerham
JudgeAdam Dittmar
Lawyer
MathH. R. Matthei
Bookie (Witness)Bill Trinkaus
Miss Ann ThusiasmKid Stillman
Montana BillGeorgia Wolters
Mr. Jolly BoyOlive R. Morey
Ye Comical Drawer

Time—Junior Week. Scene—Vogelsang's.

The entire class had assembled at the banquet table to hold a jubilee in celebration of the year's successes. The overthrow of Math was the most important event under discussion. This was safely engineered by ye great and noble Marshal. Judge Ditt had tried the case, while the jury composed of Montana Bill, Mr. Jolly Boy and other important personages had rendered the verdict. There had been much excitement caused by the flourishing of revolvers and the throwing of confetti and the rolling of many tongues, and Lawyer Busse had nearly broken up the court proceedings on several occasions by climbing over the furniture. "The Girl in the Case," Miss Ann Thusiasm, and Bookie had given damaging evidence against the cruel Math, with the result that Math was completely overthrown. Vieing with the above event, "Crazy Jake" related his hair-raising experiences with the gentler sex, while Perkins gloated over his many victories at checkers. Wicky in the meantime upheld the honor of The Integral and fully explained its merits.

ALL'S WELL THAT ENDS WELL.

(Cast of Characters as Before.)

Time—February 11, 1908. Scene—Engineering Club Rooms.

After an assembly in celebration of Lincoln's birthday, the entire Senior Class adjourned to the club rooms and indulged in a Virginia Reel. In view of the exciting times, the writer could receive little of the desired information. Off in one corner, however, he saw Packer and Holmes busy in a discussion of "The Girl Question," while the Lazy Student peacefully puffed his pipe. Mr. Generally Inwrong, commonly called Austin Crabbs, the Fulcrum Fiend (Stillman, for short), and Mr. Always Smiley Glad, otherwise Joe Monahan, were in the thickest of the throng, dancing as best they could. During the intermissions, several of them gave exhibitions of the Barn Dance. Such frivolity of the Class of 1908 can not last much longer here. But each member of that class will be the nucleus of another gathering ere long, and the above scenes will undoubtedly be re-enacted.



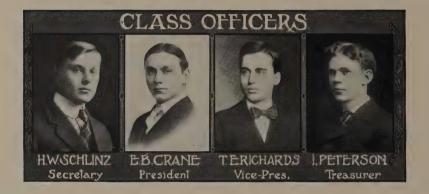


The Class

OF

Nineteen Hundred and Nine

Juniors



Colors: Blue and White

YELL: "You bet, we're fine!

Armour Tech! '09!"

MILTON C. SHEDD GEO. A. GRASSBY, JR. THE INTEGRAL BOARD

JAMES S. HARVEY, JR.

RALPH A. WALTHER HARRY W. YOUNGBERG

SOCIAL COMMITTEE
D. D. DICK

E. V. McKarahan

C. M. LINDSAY



List of Members

Class of Nineteen Hundred and Nine

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Ecklund, C. A. Frisbie, Henry C. Johnson, R. W. Jorgensen, A. Letterman, G. D. Leyden, Thos. J. Miller, Phillip W. Niestadt, Fred A. Olsen, A. P. Peterson, Ivan Reynolds, Robert L. Richards, T. E., Jr. Schlinz, H. W. Schwinn, F. S. Taylor, A. C. Waither, Ralph A. Wappler, E. Youngberg, Harry W.

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Fisher, Arthur W. Grassby, G. A., Jr. Hall, A. G. Harvey, James S., Jr. Kinzel, Arthur J. McAuley, B. F. Mahler, H. Mayes, Frank H.

Menkin, Jesse I. Mulloy, G. B. Schewel, A. M. Shedd, Milton C. Spitzglass, Jacob L. Steward, William, Jr. Thomas, W. E. Young, A. G.

STUDENTS IN ELECTRICAL ENGINEERING

Aronian, Zarah
Bassett, J. B.
Binder, G. A.
Bexton, Louis N.
Crane, Edwin B.
Curtis, H. S.
Downton, Percival G.
Fey, Wealthey
Fitch, Joseph E.
Guthrie, J. F.
Hamilton, Edward B.

Heim, Karl Hirschfeld, George Jones, Charles H. Kahn, Lamos Levitan, S. C. Lessel, Ralph Lindsay, Curtis M. Lockwood, W. C. Moyses, Harry Nelson, E. D., Jr. Ostergren, Harry Peters, William H., Jr. Pinkerton, Elwood M. Riker, A. C. Rose, Herbert Schueler, William Simpson, Tracy W. Stadeker, G. I. Strong, A. P. Valerio, G. M. Van Etten, F. C. Zanzig, F. C.

STUDENTS IN ARCHITECTURE

Buckett, A. C. Hagerup, L. O. Miller, Earl F. Neu, Matthew Von Gunten, Orlando Waldo, Alfred T.

STUDENTS IN CHEMICAL ENGINEERING

Dunham, Joseph L. Ford, T. Cecil

Hammond, Edward K. Smith, Hallem C. McMullen, E. W. Wiard, W. H. Vanderkloot, M., Jr.

STUDENTS IN FIRE PROTECTION ENGINEERING

Ahern, John F.

Oberfelder, W. S. McKarahan, E. V.

Tregay, John



Numerical Key to the Junior Picture

55. Richards, T. E., Jr. 55. Crane, E. B. 38. Schlinz, H. W. 58. Levitan, S. C. Strong, A. P. Downton, P. G. Downton, P. G. Leyden, T. J. Menkin, J. I. Menkin, J. I. Menkin, J. I. 64. Dekker, H. G. 68. Mayes, F. H. 66. Mayes, H. W. C. 69. Simpson, T. W. C. 69. Simpson, T. W. Jones, C. H. Jones, Jon
Dawson, M. Kahn, L. Beans, R. T. Beans, R. T. Lindsay, C. M. Softwel, A. M. Stadeker, G. I. Deveney, W. E. Harvey, J. S., Jr. Punham, J. L. Purelius, S. J. Ford, T. C. Frisbic, H. C. Freshie, H.
Jr. S.
19. Watther, R. A. 20. Shedd, M. C. 21. Bexten, L. N. 22. Zanzig, F. G. 23. Pinkerton, E. M. 24. Aronian, Z. 25. Aronian, Z. 26. Johnson, R. W. 27. Hirschiede, R. W. 28. Smith, H. C. 29. Ward, W. H. 30. Ebert, A. A. 31. Kinzel, A. J. 32. Ahem, J. F. 33. Ahem, J. F. 34. Oberfieder, W. S. 34. Oberfieder, W. S. 36. McAntley, B. F. 36. McKaralley, B. F. 36. McKaralley, B. F.
1. Chamberlin, E. W. 3. Moyses, H. E. 3. Tregay, J. E. 5. Youngberg, H. W. 6. Barnett, F. L., Jr. 7. Niestadt, F. L., Jr. 8. Conlin, W. A. 9. Bockman, H. E. 10. Curtis, H. S. 11. Ecklund, C. A. 11. Ecklund, C. A. 11. Ecklund, C. A. 12. Von Gunten, O. 13. Miller, P. W. 14. Neu, M. 15. Hall, A. G. 16. Vanderkloot, M., Jr. 17. Currier, C. L. 18. Dick, D. D.

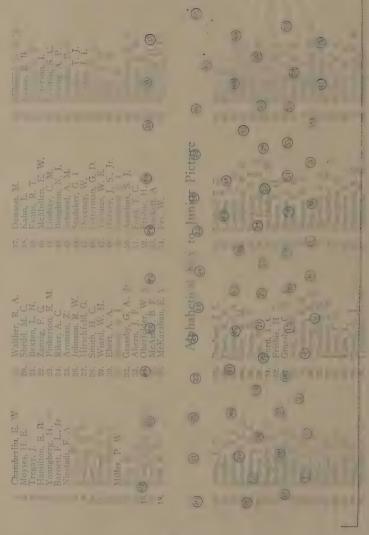
Alphabetical Key to Junior Picture

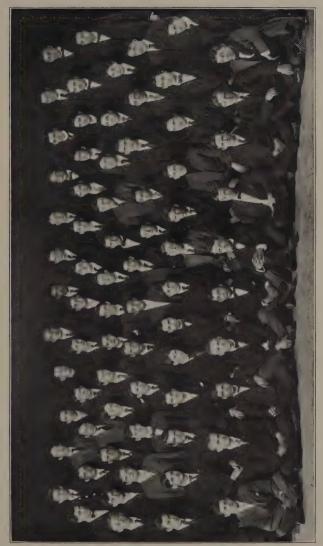
Riker, A Rose, H. Schewel, Schewel, Sibedd, N. Simpson, Simpson, Strong, Tregay, Vanderk Von Gutt Walther, Walther, Walther, Von Gutt Walther,
4.60 6.00 6.00 6.00 6.00 6.00 6.00 6.00
59. Levitan, S. C. 62. Leyden, T. J. 63. Lockwood, W. C. 35. McAuley, B. J. 64. McKarahan, E. V. 65. McKarahan, E. W. 65. Meyes, F. H. 65. Meyes, F. H. 65. Moyes, H. E. 13. Miller, P. W. 65. Moyes, H. E. 14. Neu, M. 7. Niestadt, F. A. 7. Niestadt, F. A. 7. Niestadt, W. S. 71. Ostergrem, H. 65. Richards, T. 65. Richards, T. E. 65. Richards, T. E., Jr. 66. Leyden, E. M. 67. Physical Research, H. 68. Pinkerton, E. 68. Pinkerton, E. 69. Pinkert
49. Dunham, J. L. 10. Ebert, A. A. 11. Ecklind, G. A. 66. Ellett, A. M. 59. Fey, W. 11. Ford, T. C. 51. Ford, T. C. 52. Fribite, H. C. 53. Grassby, G. A. Jr. 54. Hanilton, E. B. 54. Harvey, I. S., Jr. 55. Johnson, R. W. 70. Jones, C. H. 70. Jones, C. H. 71. Kinsch, A. J. 72. Kinsch, A. J. 73. Kinzeh, A. J. 74. Letterman, G. D.
Ahem, J. F. Aurelins, Z. J. Aurelins, Z. J. Barnett, F. L., Jr. Beckman, H. E., Beckman, H. E., Boxten, L. N. Boughton, N. J. Buckett, A. C. Conlin, W. F. Cranberlin, E. W. Currier, C. L. Currier, C. L. Currier, C. L. Dawson, M. Dekker, H. G. Dawson, M. Dick, D. D. Doveney, W. Dick, D. D.





Numerical Key to the Junior Picture





THE CLASS OF 1909—JUNIORS



The Chronicle of Nineteen Nine



HEN, at the space of many days after copy was to be due, ye class scribe sought to bestir himself, and write of the glories and the triumphs of the tribe of 1909.

2 And he sat him down and wrote profusely, and he waxed exceeding enthusiastic.

3 Thereupon he bethought himself that the glory of his chronicle would be such as would outshine all other tribes.

- 4 He said to himself, Lo, in the book of the recording angel is the history written, and it is exact and full of truth;
- 5 Behold, I will go hence, and copy for myself this history from the book of life.
- 6 And past the hour of midnight, he laid him down to sleep, being exceeding tired with pondering.
- 7 Then in his dreams, a man with wings of wondrous whiteness came unto him, and made plain to him how that he should secure this log from the book of truth.
- 8 For he said, Your quest for veracity hath found favor in mine eyes.
- 9 ¶ Straightway in the morning he rose himself up and purified himself, and put clean linen upon him.
- 10 And came down to the place which is called Tech.
- 11 There he made known his mission to them which sat in the seats of the mighty, yea, even unto the Deans;
- 12 And it came to pass that they did approve of the plan, and did command the captains of their diverse hosts to fall in favorably with it.
- 13 ¶ Now a certain professor of the land, the same which is called Radt-ke did evolve a new plan of electricity,
- 14 Producing a film of waves of that force which should envelop round about a thing for to shield it from falling, lest at any time it should strike the earth.
- 15 The action of gravity pulled it down not at all, but it hung in the air as a bird on the wing.
- 16 And a certain wise man, surnamed McFarland (which by interpretation and integration is Free-bowdy).

- 17 Arose up and saith unto the scribe, Behold, I have in mind a gas engine, the likeness of which has never yet been seen.
- 18 Come, let us make a machine which shall fly through the air.
- 19 Thereupon the mechanicals of the tribe of 1909 set to work in their shops, and made articles of brass, and articles of iron, and shortly it was finished.
- 20 Then it was set up in the center of the place which is called Og-den Field, and they made haste to prepare it for the journey.
- 21 They which were skilled in the arts of chemistry and in the making of fearful smells, did concentrate food that it might not take up space:
- 22 And the Civ-ils did furnish an al-ti-tude-azimuth with five solar attachments and diverse articles for to guide the machine through the heav-
- 23 And they wrote a sign in gold at the top thereof, The Chariot of the Tribe of 1909.

CHAPTER II.

THEN the scribe did choose these men for to see to the voyage:—

- 2 Crane, the captain of the tribe of '09, and a mighty navigator;
- 3 Boblett, a man skilled in the making and the running of engines, and Grassby, a builder of motor-cycles for to help him;
- 4 Zanzig, an expert in the use of slip-sticks and hot air;
- 5 Simpson, which is well versed in many things, for to keep the craft from falling.
- 6 Johnson, a wise and good man, for to pilot them heavenward;
- 7 And Evans, a genial man, for the scribe saith to himself, Lo, the smile of his countenance shall even rival the light of the sun.
- $8\ \mbox{\footnote{!therefore 1000}{$\tt I}}$ Then with loud hosannas from the multitude, they did loose from earth about the ninth hour.
- 9 Behold, the machine did arise, yea, straight into the heavens did it fly.
- 10 Now, when they were an hundred and fifty cubits above the earth, Zanzig did commence to talk, so that they threw him over-board.
- II And he found himself in deep water.



- 12 A whale which was passing by that way saith to itself, Nay, Nay, not for mine, and Zanzig did float ashore on his slip-stick to the place which is called Blatz-burg, which being interpreted, is Milwaukee.
- 13 After the space of many hours, they came nigh to the place whereon dwelt the keeper of the celestial diary.
- 14 And while they were yet a great way off, he ran to them and fell on their necks and hailed them with great joy;
- 15 For he saith, Lo and Behold, here is a seeker after truth and knowledge, the like of which has never before been seen.
- 16 Then he took them into his palace, and sat them on his right hand, with his prettiest maid-
- 17 And gave them to eat and to drink.
- 18 In the morning he showed unto them the book of truth, and they found there these items:

CHAPTER III.

THE tribe of 1909 entered that place called Armour's Institute to the number of thirteen score men, a hungering and a thirsting for knowledge.

- 2 Many shekels were received from these men, for they were good pay.
- 3 And they met in a council and elected men to lead them, and Whipple was their chief.
- 4 Then they went forth to war in mortal combat with the hosts of 1908.
- 5 At first they were timid, as is the manner of Freshmen, but Whipple buckled on his armor and called them, and they waxed valiant and shoved their enemies into a wall of brick—
- 6 Yea, even against the confines of Cap Larson's Beanery shoved they them.
- 7 Then they desisted, for they were tired of the combat.
- 8 ¶ In time they did assemble eleven men who gave themselves up for the slaughter.
- 9 Now these men were fleet of foot and steady
- of purpose, and they again met their adversaries. 10 And the football team of 1908 went down to defeat, crying aloud, Nothing to Twenty-three.
- II Then was given for them a smoker, whereat the tribe of 'og did smoke like men, and did yell themselves to a hoarseness with loud hosannas of victory.
- 13 They stood up under the lash of the taskmakers and they studied with exceeding diligence.
- 14 And their athletes waxed strong in baseball and in track and in bowling, and did furnish many men to the sports;
- 15 And did overwhelm their adversaries.

- 16 Then the men of the tribe did give a dance, and made merry with many maidens from far and near, and did enjoy themselves.
- 17 And the deans saith to themselves, Lo, here is a tribe which is full of life, and is worthy to be a model for succeeding generations.
- 18 Then after a space of some months, the tribe took a time of rest, and they scattered far and wide for to tend flocks and to traffic for money.

CHAPTER IV.

A FTER a time they were assembled together again a host of five score and eleven, well trained in many arts and crafts.

- 2 Who saw that a new host had come together who knew not the tech.
- 3 Then in the eventide did the tribe of '09 go forth stealthily and courageously and tney took hostage to the number of three score and ten,
- 4 And did shut them up in a dungeon over the night, in a place called Dev-e-ney's Barn.
- 5 When in the morning the people round about saw what was done, and did hear the lamentations of the tribe of '10 weeping for the fetters which bound them, and for the shoes which returned not again,
- 6 Aye, for shoes were they sore distressed-
- 7 Then did they call the Kopps.
- 8 And the Kopps came in swarms about the fourth hour, and did fill the place round about.
- 9 And carried away many men to a house of confinement.
- 10 Then the tribe of 'oo was sore stricken.
- 11 But roused they up and rough-housed the remainder of the tribe of '10 so that they did drop the rope and run, and the tug-of-war became a fizzle.
- 12 And the tribe of '09 did pass the hat, and paid many shekels to him which did keep the barn; but they were not sore.
- 13 ¶ After a space, the tribe of '09 did again go forth to the palaces of the rich, and did invite maidens to the dance.
- 14 With McKar-a-han and Dick made they merry till the rising of the sun.
- 15 Then all the maidens said, It is well, and were pleased with exceeding pleasure.
- 16 Then came Junior Week, to which the tribe of '09 went out in large numbrs,
- 17 And with confetti and pleasing noises enlivened they the evening.
- 18 Again did the tribe of '09 band together in Athletics, and their numbers did show up everywere, yea even to checker clubs did they join themselves.



- 19 And they were victorious again and yet again.
- 20 And the tribe of '09 waxed strong, and grew in favor with the Doc and 'stute.
- 21 So that the voices of its men were heard throughout the land,

CHAPTER V.

THEN in the spring time their numbers were scattered, but in the fall about the time of harvest, they were come together again, for they were Juniors.

- 2 Now Crane was their leader.
- 3 And they worked unceasingly in the daytime and in the eventide and they studied with diligence.
- 4 Some from among them which were thought to be gifted as scribes were chose for to inscribe a book which was called INTEGRAL.
- 5 And some were chosen to the Society of the Studious, for they had high marks.
- 6 ¶ Now there happened about this time a bowling tournament.
- 7 Whereat sundry men of the tribe of '09 were victorious, like as in years before.

- 8 Then the third dance of the tribe did come, and great was the merry-making.
- 9 The men of the tribe, moreover, were at diverse sother dances,
- to For they loved to waltz, and were favored of the maidens.
- 11 The panic, furthermore, affected them not.
- 12 Therefore did they enjoy themselves without ceasing, and peace and happiness reigned in the hearts of the men throughout the tribe.
- 13 As a thanksgiving for this joy, they shall hold a celebration, and a celebration shall it be!
- 15 Whereat they will feast and make merry, and their gifted young men shall disport themselves before them.
- 16 For Evans, he with the smile who shall marshall the hosts for Junior Week has had a vision splendid,
- 16 Wherein has been shown him in a dream all manner of ways of rejoicing.
- 17 And the fame of the Tribe of '09 shall endure, and shall be everlasting, and the Tribe of '09 shall prosper and shall be blessed with many riches. Selah.





The Summer Trip

If a casual observer had been standing at the foot of Michigan Street about noon on Tuesday, June 18, 1907, he would have seen a motley assortment of young engineers-to-be flocking to the docks of the Northern Michigan Transportation Company. From outward appearances, he would not have been able to tell who or what they were, but he would soon see, from their rapid talking and comparison of grades, that they were a class of students of Armour Institute intent upon taking a course of surveying at Hamlin Lake, Michigan.

Along about one o'clock there emerged upon the street a face which closely resembled the setting sun, but on closer scrutiny it could be seen that it was only Youngberg, hustling as he had never hustled before, in order to catch the boat. Not long after this, Niestadt could be seen coming down the street casting anx-



THE BUNCH

ious glances from side to side in a mad search for the expressman with his trunk. "Sturdy" was also wailing about a trunk which was not to be seen. In the meantime, Prof. Phillips was trying to round up the bunch like a herd of cattle in order that all might be benefited by the reduced rates obtained on the boat.

About two o'clock the boat put off from her dock and the innocent young men gave a tearful farewell to "dear old Chicago," little knowing what ups and downs would befall them at the Bugg House. On making a tour of the boat,



some of the fellows made the discovery that Ebert had brought his horse along. Naturally all were delighted with the thought of having a "horse" in the party which could be used any time it might be needed. There was no other excitement until evening, when Dick and Ellington, while trying to arouse some enthusiasm among the passengers, became acquainted with a charming "young" lady. Needless to say, they were molested by not a few of their fellow shipmates.

About two A. M. the bunch landed in Ludington, little the worse for lack of sleep. All of the fellows except "Sturdy," Packer, Guerin, Dick and Ellington either lacked the price or else the inclination to get rooms at the hotel. Instead,



they walked the streets and otherwise amused themselves until breakfast time. After breakfast, a few strolled about town in order to see it by daylight, and at 9:30 all boarded the "dummy" which was to convey them to Hamlin Lake.

When the mob descended upon the Bugg House, the management hardly knew what to do with such a hungry horde, but order was brought out of chaos and when the dust settled.

sixteen of the "youthfuls" found themselves housed in a cottage, otherwise known as "chateau," alias "shanty." The rest were shoved into the hotel, where they lacked the freedom enjoyed by the "shantyites." The first afternoon was spent in getting acquainted with the place and playing ball. That same afternoon some one made the discovery that instead of only one horse, Ebert had two "ponies." To be sure, they were young, but all declared that if they were not overworked they would grow.

As the class arrived at their destination in the middle of the week, the only work that was attempted was the adjustment of the instruments and the laying out of the true meridian. This was done under the ever watchful eye of Prof. Phillips, while "Sturdy" took care of the "Freshman bunch" and the water pail. For the first two weeks the work went along smoothly and all worked hard, as they were trying to make as good a showing as possible. It was certainly a hungry lot that always presented themselves for meals and very few were late.



During this time, the recreation indulged in by most of the fellows, particularly Ebert, Youngberg, Douthitt, Dawson, Ecklund and Johnson, was card-playing. They could usually be seen on the porch of the cottage, playing as if their lives depended upon it. On the other hand, Peterson hovered near the slot-machine offering to give tips for half of the receipts, but never volunteering to pay half the losses, which usually exceeded the gains.

It took only a short time for the inmates of the cottage to find out that they could indulge in rough-house whenever they pleased. "Sturdy," "Pete" and "Walt" precipitated matters by starting a little song and dance recital in the "wee hours" of the night. To the accompaniment of chairs rolling down stairs and a



ELLINGTON

war dance by "Sturdy," the rest of the fellows were "cussing" in forty-'leven languages. From that time on, there was hardly a night when there wasn't something "doing."

It wasn't long, however, before the fellows started to look forward to the Fourth of July and to plan how they would celebrate. Guerin and Moeller, of barber fame, crossed Lake Michigan to spend the "glorious Fourth" with the "loved ones at home." Packer, Niestadt, Sturdy and Chamberlain decided to spend the day with their newly acquired friends in Ludington, but they were shy one fellow, so Beckman proceeded to do the hero stunt. From all appearances he came out with colors flying. The rest of the fellows, except "Dit," Ellington,

Hoefel and Dick, who stayed at the Bugg House, were content to view the "magnificent" parade by their lonesome and attend a ball game in the afternoon. The day was marred, however, by a steady downfall of rain, which began about 4 P. M.

Soon after this, the hotel began to fill up with guests and the various cottages along the lake received their summer inhabitants, so "Sturdy" and Niestadt proceeded to "get on the job." Dances were held at the Bugg house and the neighboring resorts and so the boys were able to make up for the quietness of the first two weeks. Several of the fellows became acquainted with the cottagers and



HITTING THE TRAIL

spent a good deal of their leisure time in their company. This was particularly so of Ellington, Beckman, Chamberlain and Walther, while Packer and sometimes "Sturdy" would journey down to Piney Ridge. As a final stunt, several of the boys got together and chartered a small steamer to take a party to a dance at the end of the "dummy-line." As usual, Prof. and Mrs. Phillips chaperoned the party and an enjoyable time was spent, notwithstanding the fact that the little steamer was taxed nearly to its capacity.

But this kind of life could not go on forever, and when Prof. Phillips announced that the note books were all to be finished by the next Wednesday, there was a wild scramble to finish up. How the fellows did work! To Prof. Phillips great credit is due, because of the fact that he was able to get a full day's work out of everybody, without seemingly having to "push" them. In spite of all his work, Dittmar had time to perfume (?) a few of the rooms of the cottage and was summarily punished for his trouble by being put into the lake.

Having finished their work within the allotted time, all of the boys decided to leave for Chicago as soon as possible. On Thursday, July 25, they again journeyed to Ludington and after getting the first square meal for some time, at the Stearns Hotel, they departed a "sadder but wiser" lot.





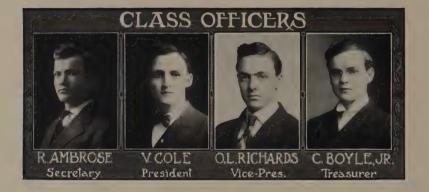


The Class

OF

Nineteen Hundred and Ten

Sophomores



Colors: Blue and White

YELL: "On the Deck!

Once again!
Armour Tech!
Nineteen ten!"

MONROE A. SMITH

INTEGRAL REPRESENTATIVES

M. C. LAWSON

FULCRUM REPRESENTATIVE M. C. Lawson

OLIN RICHARDS

SOCIAL COMMITTEE
EUSTACE VYNNE

FRANK E. BARROWS



The History of the Class of 1910

In presenting this sketch of the Class of 1910, the perpetrators wish to make no apology for their deviation from the bombastic and egotistical class histories of the past. The Class of 1910 is in many ways a unique one. We could enunciate as many feats of daring and class excellence (and with the same degree of veracity) as any class in the "Tech." But this class is out of the ordinary, so we have endeavored to enumerate a few of the incidents of the past two years with at least some suspicion of truthfulness and accuracy.

AS FRESHMEN '06-07 REGISTRATION DAY '07-08 AS SOPHOMORES

About two hundred and fifty ordinary specimens of the American youth, together with a couple of adopted sons from the Philippines, gathered at the Tech as Freshmen, some green, some unripe, but all healthy and full of the Tech spirit.

Our number has dwindled considerably. We are quite a bit wiser and just as healthy. It's nice to be a Sophomore. Even Muñoz thinks so. "Al corral," Freshmen. One hundred and fifty men register.

CLASS MEETING

Trembling with anticipation, we met in Science Hall to watch the Academy elect their officers. Stillman, '08, tried to scare us in a "spiel" about the rush. We didn't scare easily.

We meet in the same place and without much parley, elect our own officers. Everybody is satisfied. We make plans for the reception of 1911 on the following Monday and Tuesday, incidentally taking up a generous collection to defray expenses.

We are all anticipation—paint by the gallon, brushes by the score. Monday night:

THE RUSH

Monday afternoon: Some of us have cold feet. Monday night: some one spills the most of our paint; about fitty of us get tied up in the barn of the Class of 1909; a few of us get a nice ride without cost to us; nevertheless we succeed in planting our glorious initials in at least two places near the Tech. Tuesday noon: after two trials we satisfy '09 that we can pull candy better than they can, notwithstanding their unsportsmanlike tactics of hitching the rope around a fence post.

we use our paint, with results evidenced for months to come. A little paint is used on us by an extra obstreperous freshman. He gets his, however. Tuesday morning: we tie eleven up and parade the freshmen leaders with all due humility before the upper classes. Tuesday noon: we substitute a rush for the candy pull of the previous year. Truly 1911 has been introduced

THE FRESHMEN HANDSHAKE

'10 is in the receiving line and help pour. Wrists sore from meeting new friends.

to Tech life as custom dictates.

We are cordially welcomed by the Y. M. C. A. and fed dainties in the skipper's pa-

Dr. Thomas talks to us about various

OCTOBER ELEVENTH

No talk. Don't we need it or are we heedless?

FRESHMEN SMOKER

1910 gets a pipe, some matches, and alleged tobacco, all free. As a consequence some of us get sick. We demonstrate our ability to sing and yell louder than '09 can.

This time we pay for the "makings." Incidentally we sing some new songs, wear '10 caps, and make merry generally, of which more anon.

THANKSGIVING HOLIDAYS

After weeks of looking forward, we prepare to eat real home cooking.

Please see last year.

THE SHIRTERS

Not for Freshmen.

latial stoking parlor.

Mysterious ceremonies on Ogden Field. Are you a shirter? Ask Dean Clasen for the countersign, He knows.

THE SENIOR DANCE

THE CHRISTMAS HOLIDAYS

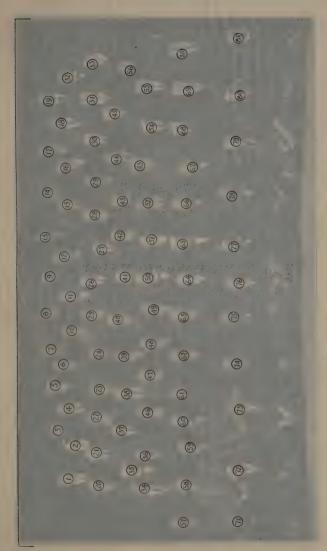
Some of us go home to loaf, some to work. Leavell demonstrates a bowling alley at Siegel-Cooper's.

A good deal like last year. Leavell pushes a "cologne cart" a la Holsman on Thirty-third street.



Numerical Key to the Sophomore Picture

62. Whitmore, C. M.	63. Scott, F. J. Jr.	64. Hill, W.	65. Ambrose, R. B.	66. Osmena, M. V.	67. Eckert, J. M.	68. Williams, G. E.	69. Edwards, D. S.	70. Jones, M. E.	71. Stark, D. H.	72. Hartman, J. G.	73. Lowe, J. O.	74. Shafer, G. A.	75. Parkins, F. E.	76. Pfaelzer, F. M.	77. Emin, G. H.	78. Glick, H. D.	79. Pearce, R. P.	80. Kloman, R. S.	81. Wheeler, H. T.	
42. Munoz, F. J.	Bailey, C. C.	44. Fletcher, D. P.		46. Grenoble, H. S.	Boal, A. D. Jr.	Schnabel, F.	Poland, L. A.		Boyle, C. Jr.		Bunge, L. W. A.	Kimball, N.	McEwing, E.	Bristol, G. C.	Squair, F. R.	Hough, H. R.		60. Rogers, H. J.		
Wernick, F. E. 42.	Godfrey, F. O. 43.	Keller, H. P. 44.				Thatcher, W. C. 48.	Gault, M. E. 49.	. D.	, D. 51.	J. A.	R. G. 53.	E. E. 54.	Henwood, P. E. 55.	r, A. H. 56.	57.	58,	59.	40. McCune, S. W., Jr. 60.		
22. Werni	23.	24. Keller,	25. Neville	26. White	27. Bruce,	28. Thatch	29. Gault,	30. Van V	31. Young, D.	32. MacKe	33. Eliel, R. G.	34. Bolte, E. E.	35.	. 36. Crocker, A. H.	37. Day, R.	38. Tobias	39. Sherw	40. McCur	41. Rosenthal, H.	
1. Salomon, M. J.	. Bergbom, A. L.	3. Leavell, R. A.	. Kellner, O. R.	5. Lohse, A. W.	. Mabbs, J. K.	7. Williams, D.	. Kellner, W. A.	9. Daly, J. J.	10. Hand, H. C.	11. Richards, O. L.	12. Stevens, W. A.	13. Barrows, F. E.	14. Thomas, P. W.	15. Baughman, I. N.	16. Smith, M. A.	17. Lawson, M. C.	 Vynne, E. 	Dobbie, E.	20. Kallis, M.	21. Guthier, R. E.
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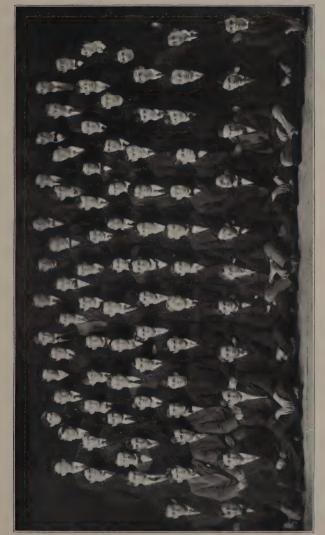


CLASS OF 1910-SOPHOMORES



Numerical Key to the Sophomore Picture

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J. 22. Wernick, F. E. 23. Godfrey, F. U. 24. Keller, H. P. 25. Neville, W. J. Whi@ne, W. J. Bruce, W. C. 25. Thatcher, W. C. 25. Thatcher, W. C. 25. Chult, M. E. 25. Chult, M. Chult, M	3 0



THE CLASS OF 1910—SOPHOMORES



'06-'07

JANUARY TWENTY-THIRD

207-208

Skidoo's birthday. Bill Hasberg makes . a recitation in descript.

Chemist Hasberg discovers a new use for the methyl-orange indicator, King Jake being much elated at his pupil's surprising grasp of the subject.

FEBRUARY THIRD

Epidemic of homesickness among Freshies. Skating and tobogganing offer some amusement, but it is not like home.

Registration day for second semester. In spite of the panic, the sophs are blowing themselves to such expensive luxuries as

FEBRUARY FOURTH

An exceptional day in Descript class-Cole doesn't ask a question-he was absent.

Dr. Ben Reitman signing recruits from the 1910 class for his Army of the Unem-

FEBRUARY

Abe Lincoln is voted to be a good fellow. Weather like Spring. A few studes don their B. V. D.'s. Freshies begin to call themselves College Men.

Abe is again voted to be O. K. and everybody gets matinee tickets, Many of the more intellectual studes attend the Follies of 1907 at Centr—that is, at the Auditorium.

FEBRUARY THIRTEENTH

The early birds conclude that summer is coming, not come and exchange for their

Some absences, but this is probably be-cause the absent ones were superstitious about 13.

FEBRUARY TWENTY-FIRST

An assembly at ten-thirty, and a holiday for the twenty-third. Armourites are much in evidence at hatchet and cherry-tree parties in the evening.

Glee and Mandolin Clubs give concert on the West Side, while the Sophomore Informal comes off at the Lakeside. The Barn Dance eclipses the Merry Widow Waltz.

MARCH SIXTH

Freshies worried-exams next week. Following the ponies becomes a dangerous but popular sport.

Seems nice to have no finals until June. Physics is the most popular study-anyhow a bunch of Sophs decide to take it over. APRIL FIRST

A superfluity of showers and April Fool

jokes.

Students make good use of the moon-

Same as last year, only more so.

APRIL THIRTY

Spring fever and tennis occupy the Some studying being done-lots that studes' spare time. isn't. MAY FIFTEENTH

Much sickness on absence blanks. Sh-h,

light nights. Park benches crowded. MAY THIRTIETH

an epidemic of baseballitis. Memorial Day on Saturday—aw shucks!

A holiday again. Many resolutions made to study hard, etc. Finals coming next week. Resolutions are remembered. Seniors are turning down

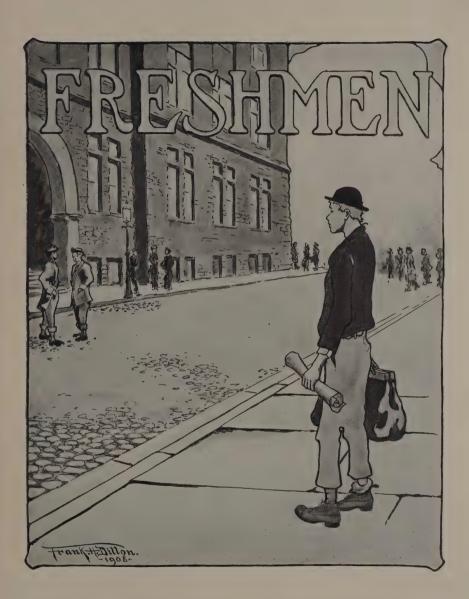
\$1,500 jobs for something better.

JUNE THIRD Finals are over with. A senior reported to have received an offer of a position at \$12.50 per. Rumor not verified.

JUNE FIFTEENTH

Students scattered over the United States and Foreign countries. Reports have been received, and some 1910 men decide to graduate in 1911-approximately.

In conclusion it may be said that the Class of 1910 is one of the most resourceful and independent classes that has ever entered the Tech. While we have a goodly amount of class spirit, we have done a great deal to knit together a school spirit which seems to be lacking at Armour. We could say lost of things about what we are going to do next year, too, but what's the use? Next year will reveal itself and our destined achievements as Juniors in the due course of events.





The Class

OF

Nineteen Hundred and Eleven

Freshmen



Colors: Maize and Blue

Yell: "Yea - - 'leven! Yea - - 'leven! E-L-E-I'-E-N-Eleven!"

INTEGRAL REPRESENTATIVES CHARLES W. HILLS, Jr.

EDWARD S. SMITH

FULCRUM REPRESENTATIVE

F. W. Briggs

CHARLES W. HILLS, JR.

SOCIAL COMMITTEE H. O. Foster M. F. Tillitson

LEROY D. KILEY



History of the Class of 1911

On Monday, the 16th day of September, A. D. 1907, there matriculated as students in Armour Institute of Technology, 258 earnest, faithful, conscientious and unassuming young men of unusual physical and mental vigor, intelligence and ambition. These men were to form what is undoubtedly one of the most notable student bodies ever organized. Though many of them were unused to the ways of the city, they certainly came from homes where tender love and maternal consideration had been their fortune, moulding and developing their characters to that perfection which would cause their minds to shrink with abhorrence from even the *suggestion* of an act of cruelty, though inflicted on the humblest beast.

The mind of each was filled with respect for the institution to which they had come. Who, therefore, can adequately express the horror and consternation which filled the minds of these young men, absolute strangers to the school, when reliably informed that the class matriculated but one short year before was even then conspiring an unprovoked assault on them? Though filled with grief at this reception, each man believed himself thoroughly competent to care for the whole Sophomore class. It was deemed best, however, to hold a conference as to the most humane and effective way of reforming the would-be desperadoes. Accordingly, on September 20, the Class of 1911 was organized, and the class officers were elected.

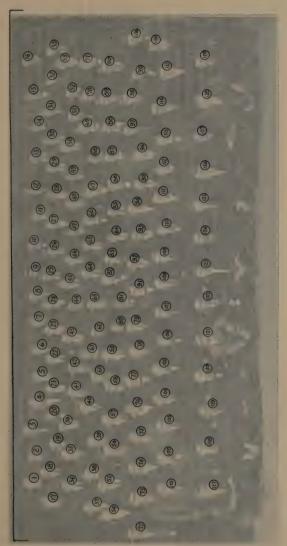
On the following Monday morning, a large '11 banner flung defiance from the flag pole on top of the main building. When the Sophomores got to school, they found that they were not molested, and resolved to wait on the corner to catch it in case it should break loose from its fastenings. After two hours work, the janitor force, some six strong, managed to break it down, but it was caught by one of our men as it fell. In the resulting tussle we got away with it. In the afternoon one of the Sophomores was relieved of some 300 posters which the Class of '10 had thought they were going to paste around the school. That night there were several little scrimmages around the school, and '11 did not get the worst of it, either.

Tuesday morning a '10 banner hung limp from a telegraph wire, and its every wiggle seemed despondent. It was quickly removed by a couple of Freshmen, who replaced it with an '11 flag. There were innumerable rushes during the morning, and the final rush in which the Sophomores had planned to annihilate



Key to Freshman Picture

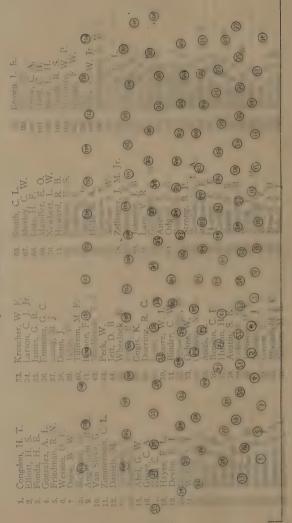
Sco	Hu	H ₂	M	Bri	Me	Ξċ	Pon Fo	S	H	Lle	Joi	Sh	Gr	Be	H	Ge	Z	Ro	Fe	Ste	La	Ma	Eri	Sei	H	Ü	FIE
98. 99.	101.	103	104.	105.	106.	107.	109.	110.	111.	112.	113.	114.	115.	116.	117.	118.	119.	120.	121.	122.	123.	124.	125.	126.	127.	128.	129.
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Smith, C. L. Morley, C. W.																											
65. 67.	69.	7.0.	72.	73.	74.	75.	77	78	7.0	80.	81.	82.	83.	84.	85.	86.	87.	88.	89.	.06	91.	92.	93.	94.	95.	96.	97.
Kroscher, W. F. Larson, C. J. Jr.																											
88. 4. 8.	36.	90.	39.	40,	41.	45.	43.	45.	46.	47.	48	49.	50.	51.	52.	53.	54.	55.	56.	57.	58.	59.	60.	61.	62.	63.	64.
Congdon, H. T. Elliott, H. S. Fonda H. F.									. Szeszycky, I.																		
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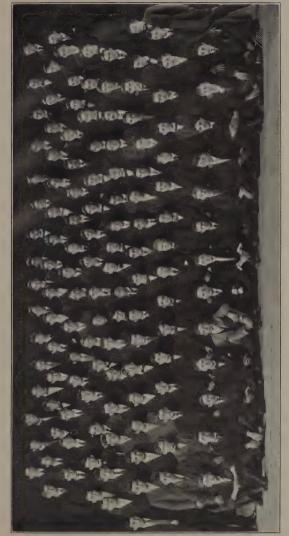


THE CLASS OF 1911—FRESHMEN



Key to Freshman Picture





THE CLASS OF 1911—FRESHMEN



the Freshmen was really a farce. There was some pretty good rough-housing, but at no time were the Freshmen in danger. Indeed they were just about to shove the Sophs through the fence, when the senior participants called the rush a "tie."

The Class of 1911 has not only won fame as a result of its strength, but in many other ways. The class was organized and running smoothly within two weeks after matriculation. Class-meetings are always well attended, and business has been carried on with dispatch. There has been money in the treasury at all times since the fourth day of the first semester. The class as a body has always been prominent in all social and athletic affairs. Two theater parties have been given by the class, both of which were well attended by Freshmen and upper classmen. Last of all, the Freshman dance on April 24 was one of the most enjoyable social affairs of the year, as well as a profitable financial undertaking. In the coming spring we hope to see a number of our athletes on the track and baseball teams, and are certain that they will do their full share in getting victories for the Tech.

The chronicle of the Freshman class must necessarily be more of a prophecy than a history, for we have as yet been organized for but six months. The class has, however, demonstrated its manly energy and earnestness in its cheerful compliance with all the requirements of the Institute and its faculty, and by its cheerful attention to duty, deserves commendation from everyone.

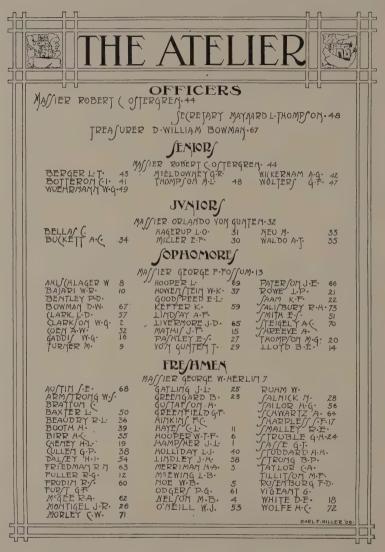
We may, therefore, in view of the many noble qualities of mind and heart possessed by the class as a whole, and by each member as an individual, prophesy a career unprecedented as students and as engineers in the years to come.

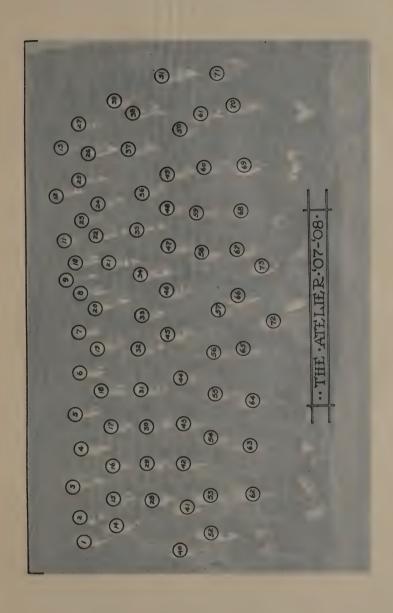




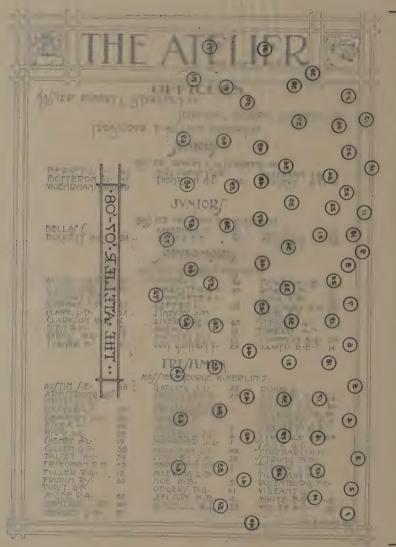
















The Atelier

WE ARE THE ATELIER SPEAKING. SPENDING THE MOST OF OUR TIME AT THE ART INSTITUTE, WE CONFESS THAT WE ARE SOMEWHAT UNFORTUNATELY SEPARATED FROM THE SCHOOL UNDER WHOSE NAME WE STUDY, BUT AS STUDENTS AND AS AN ORGANIZATION, WE FEEL THAT WE ARE A GOOD PART OF AR-MOUR INSTITUTE, AND TO OURSELVES, TRULY A LARGE PART.

THE LIFE OF THE ATELIER HAS BEEN NINE YEARS. PRIOR TO 150, THE DEPARTMENT WAS CONTROLLED BY THE CHICAGO SCHOOL OF ARCHITECTURE, BUT AT THAT TIME IT WAS ABSORBED BY ARMOUR, AND UNDER THE GUIDANCE OF OUR PRESENT FATHER AND PROFESSOR, IT HAS GROWN UNTIL IT SEEMS THAT WITHIN ANOTHER YEAR, WE WILL BE UTILIZING THE REMAINDER OF THE ROOF OF THE ART INSTITUTE BUILDING.

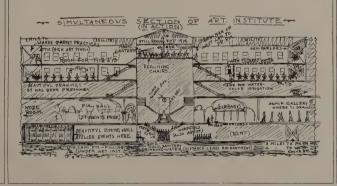
ACCORDING TO SOME PRECEDENT, THE SLOGAN OF THIS DE-PARTMENT HAS BEEN, "IN UNION THERE IS STRENGTH," FOR EVERY MAN WHO ENTERS THE ARCHITECTURAL DEPARTMENT BECOMES A MEMBER OF THE ATELIER. HERE IS WHERE THERE IS BUT LITTLE CLASS FEELING. THE SENIOR IN HIS DIGNITY MINGLES WITH THE FRESHMAN, AND THE SOPHOMORE FEELING HIS IMPORTANCE STRIVES TO REMAIN ON SPEAKING TERMS WITH THE JUNIOR. ALL ARE IN FACT, AS ONE BIG CLASS, AND WEAR THEIR ATELIER PINS TOGETHER.

LIVING DAILY IN THE CONTINUAL ATMOSPHERE OF ART, NO PLACE COULD BE MORE CONDUCIVE TO THE PRODUCTION OF REAL ARTISTS THAN THE ART INSTITUTE, AND ITS INFLUENCE HAS NOT FALLEN SHORT IN THE LEAST. A TRIP THROUGH THE LONG NARROW DRAWING ROOM OF THE ARCHITECTS, AND A FEW GLANCES AT THE ONCE-WHITE BOARDS NOW BESMEARED WITH ILLINOIS CENTRAL COAL DUST AND OTHER SUBSTANCES OF VARIOUS COLORS, WOULD CONVINCE THE MOST SKEPTICAL THAT THEY HAVE REACHED THE PLACE WHERE WORKERS WORK. FEW THINGS HAVE EVER BEEN DONE BY ANCIENTS OR MODERNS THAT WOULD RIVAL SOME OF THE EFFORTS IN WATER COLOR SEEN HERE. ERASERS HAVE THEIR PLACE IN THE DRAFTSMAN'S EQUIPMENT, BUT TO OUR EVER PRESENT AND GUIDING INSTRUCTOR, THE SINK AND A LITTLE RUNNING WATER IS ALWAYS THE MOST IMPROVING THING FOR OUR WORK. CRITICISMS, NO MATTER HOW RARELY THEY MAY COME, ARE THE GOAL FOR ALL BEGINNERS, BUT THAT ASSEMBLAGE OF GENIUS KNOWN AS THE SOPHOMORE ARCHITECTS, WHO CAN MAKE TOWERS RESEMBLE PEPPER BOXES, DETAILS LOOK LIKE FEATHER DUSTERS, AND TREES AND SHRUBBERY TAKE THE LIKENESSES OF BULK PICKLES, HAS YET TO BE FOUND.

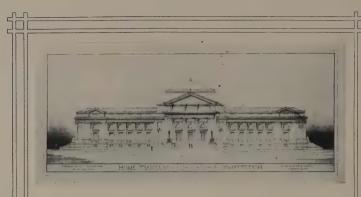


TRAVELING SCHOLARSHIPS ARE GREAT INCENTIVES TO WORK, AS HAS LATELY BEEN PROVEN. SUCH A SCHOLARSHIP. AMOUNTING USUALLY TO A SUM OF MONEY TO BE USED IN TRAVEL IN CERTAIN CITIES IN STUDYING ARCHITECTURE, ARE GIVEN FOR THE BEST DRAWINGS ON A DESIGNATED SUBJECT SUBMITTED IN A COMPETITION BETWEEN THE JUNIORS AND SENIORS AND FORMER STUDENTS OF THE DEPARTMENT.

AFTER WORK COMES PLEASURE. IN THIS THE ATELIER IS HOST TO MANY GOOD TIMES EACH YEAR—OUR BANQUET AND DANCE PREFERABLY BEING CALLED, WITH MORE DIGNITY, AN-NUAL AFFAIRS. INCIDENTAL TO THESE EVENTS, EVERY TWO MONTHS DURING THE SCHOOL YEAR WE HAVE HAD SMOKERS IN THE LUNCH ROOM OF THE ART INSTITUTE, WHERE WE ALL GET TOGETHER FOR A FEW HOURS AND THOROUGHLY ENJOY OURSELVES. OUR LAST YEAR'S ANNUAL DANCE WAS GIVEN IN THE SAME PLACE, WHICH WAS ATTRACTIVELY DECORATED ON THE JAPANESE STYLE. FOR OUR YEARLY BANQUET, WHICH DESERVES GREAT MENTION, WE USUALLY GO OUTSIDE THE SCHOOL, WHERE THE QUESTION OF CLOSING-UP TIME PLAYS NO PART. HERE IS WHERE THE RACONTEURS OF OUR CROWD DIS-TINGUISH THEMSELVES IN THE PRESENCE OF OUR PROFESSORS AND DEANS. THE FRESHMAN HERE AT LAST FEELS THAT HE HAS BECOME A REAL MEMBER OF THE ATELIER, TAKES HIS FIRST INSTRUCTION IN WATER COLOR, AND RESOLVES, IN HIS DISAPPOINTMENT IN ARCHITECTURE, THAT THE TOUCH OF CARMINE THE ATELIER HAS GIVEN TO HIS PALATE IS WORTH THE FIGHT OF ANOTHER YEAR IN SCHOOL.

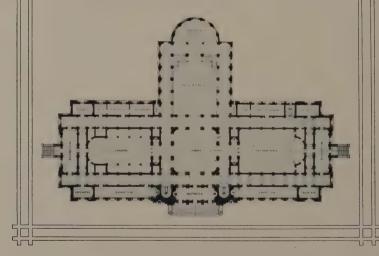


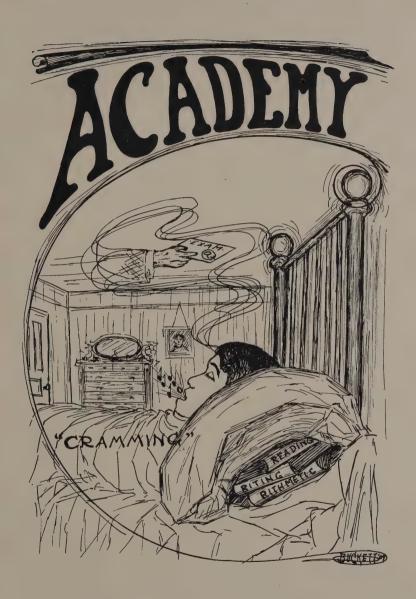




THE HOME TRAVELING SCHOLARSHIP PRIZE FOR NINETEEN HUNDRED AND EIGHT WAS WON BY ADAM GEORGE WICKER-HAM IN A CLOSE COMPETITION OF EXCEPTIONALLY GOOD WORK.

THE PROBLEM WAS THE DESIGNING OF AN ARCHITECTURAL SCHOOL FOR A UNIVERSITY IN A LARGE CITY. THE PRIZE, GIVEN THIS YEAR BY THE ART INSTITUTE OF CHICAGO, IS A FUND OF TWO HUNDRED AND FIFTY DOLLARS FOR AN EDUCATIONAL TOUR THROUGH THE EASTERN STATES. THE RENDERED ELEVATION AND THE FIRST FLOOR PLAN OF THE WINNER OF THE COMPETITION ARE HERE SHOWN.







The Scientific Academy

OF.

Armour Institute of Technology

33rd Street and Armour Avenue

Chicago, Illinois



Founded 1892

by

PHILIP DANFORTH ARMOUR



Colors: Blue and Old Gold

Yell: "A. S. A. Hoorah! Hoorah! A. S. A. Hoorah! Hoorah! Hoo-rah! Hoo-rah! Armour Academy Rah! Rah! Rah!"



Armour Scientific Academy

Class of 1908

Colors: Red and Gray

YELL: "Higgity Hate, Hate, Hate! Higgity Hate, Hate, Hate! '08!'08!"

OFFICERS

H. A. Babcock, President M. Peiser, Vice-President G. A. Anderson, Secretary and Treasurer

INTEGRAL REPRESENTATIVES

G. A. Anderson

O. T. Bright, Jr.

FULCRUM REPRESENTATIVE

O. T. Bright, Jr.

LIST OF MEMBERS

Ahern, A. A. Armstrong, Graham Anderson, G. A. Anderson, M. Alling, H. M. Babcock, Henry A. Baumberger, C. A. Beech, C. Bright, O. T., Jr. Bradley, H. C. Chamberlain, G. W. Chipman, F. L. Cooney, Frank E. Christenson, H. J. Cuttle, M. Davis, H. Donnely, J. C. Driver, A. J. Ellbogen, A. L. Foss, Adolph F. Finn, J. E. Finkelstein, Maurice D. Freund, H. Fritch, R. G. Furey, J. J. Goodmanson, F. A.

Graff, Walter W. Gehring, Henry Green, Jos. P. Hales, J. G. Harris, A. M. Harrison, J. R. Hayne, A. S. Hefter, E. S. Heywood, George W. Hutchings, C. A. Jahn, H. F. Kahn, S. Kann, R. Kiddie, F. Krause, A. A. Kreer, Fred Lambright, George Lawrence, M. F. Leibrandt, C. R. Loewenberg, Max Lundberg, J. Maher, L. E. Meyer, N. B. Moir, Leo H. Neimz, A. M. Peiffer, Aloysius Peiser, Marcus

Rubic, Arthur W. Redlick, Rudolph, Jr. Reeves, A. G. Roller, L. H. Salamon, H. M. Stafford, J. C. Scarborough, J. B. Schuler, C. R. Scully, George T. Schwane, A. W. Stenson, R. V. Smithson, Stewart Scott, Rubert Schreiber, E. Spinder, R. W. Schmidt, A. O. Smith, J. E., Jr. Thompson, H. W. Todtman, H. G. Torry, H. L. Verhoeff, J. R. Vial, C. H. White, A. G. Winn, C. V. Wolfe, A. W. Wyman, R. W.



History of The Senior Class of The Academy

The Armour Academy Class of 1908 was organized in the fall of 1907, G. B. James being elected president, S. Fenno, vice-president, and W. W. Graff, the secretary and treasurer. With the assistance of these officers, we evolved from a group of straggling "freshies" to wise and valiant juniors. In this second year our strength in athletics was shown by the formation of various teams, which did their share to keep the name of our class from going down to oblivion.

At the beginning of our senior year, we set to work with great enthusiasm at our task of reorganizing the class. H. A. Babcock was elected president; M. Peiser, vice-president, and G. A. Anderson, secretary and treasurer. The help of these efficient officers raised the spirit of the class much higher than it had ever been before. All the representatives of the Academy to the College were selected from among our members, Babcock and M. Anderson being elected to the Board of Athletic Control, G. A. Anderson and Bright being chosen for *The Integral*. Bright was selected to represent the Academy on the Fulcrum Board.

In the athletic field we have achieved success where our predecessors have failed, for as winter drew near, with the help of Mr. Lind, we organized an indoor track team. This is the first of its kind in the Academy, and is rapidly gaining fame among the High Schools and Academies of Chicago and neighboring towns.

A pin committee composed of M. Peiser, O. T. Bright, Jr., and G. A. Anderson, bought pins of a very neat design, and distributed them among the members of the class. Dues of twenty cents a month are levied, and with these we will, in the last part of the year, give a theater party.

The high spirit displayed by this class throughout its existence will not end with this, its senior year, but will be carried on into the College of Engineering, where it will break forth with renewed vigor.



THE CLASS OF 1908—SENIOR ACADEMY



FRATERWIES





The Greek Letter Fraternities

represented at

Armour Institute of Technology

in the Order of their Establishment

PHI KAPPA SIGMA DELTA TAU DELTA TAU BETA PI



Drøka, Phila.
DesignEntent applied for





Phi Kappa Sigma

Chapter Roll

Alpha-1850 University of Pennsylvania

Delta-1854 Washington and Jefferson College

Epsilon—1854 Dickinson College

Zeta-1854 Franklin and Marshall College

Eta-1854 University of Virginia

Iota—1855 Columbia University

Mu—1858 Tulane University

Rho—1872 University of Illinois

Tau-1872 Randolph-Macon College

Upsilon-1872 Northwestern University

Phi-1873 Richmond College

Alpha Psi-1891 Pennsylvania State College

Alpha Alpha—1894 Washington and Lee University

Alpha Gamma-1896 University of West Virginia

Alpha Delta-1898 University of Maine

Alpha Epsilon-1898 Armour Institute of Technology

Alpha Zeta-1899 University of Maryland

Alpha Theta—1901 University of Wisconsin

Alpha Iota—1902 Vanderbilt University

Alpha Kappa—1903 University of Alabama

Alpha Lambda—1903 University of California

Alpha Mu-1903 Massachusetts Institute of Technology

Alpha Nu-1904 Georgia School of Technology

Alpha Xi-1905 Purdue University

Alpha Omicron-1905 University of Michigan

Alpha Pi-1906 University of Chicago



Phi Kappa Sigma

Alpha Epsilon Chapter

Founded 1898

Seniors

AUSTIN CRABBS

JOHN SELBY TOWNSEND

ADAM GEORGE WICKERHAM

Juniors

SAMUEL J. AURELIUS

JAMES SEYMOUR HARVEY, JR.

ELMER VERNE McKARAHAN

EDWARD DEANE NELSON MILTON C. SHEDD

JN C. SIIEDD

HALLAM CHAMPLAIN SMITH

WALTER H. WIARD

Sophomores

GLEN WARNER BUCK

HAROLD ROY HOUGH

WALTER GALT JENS

HARRY J. ROGERS

CHADBOURNE M. WHITMORE

Freshmen

SEWALL EVERETT AUSTIN

BEN WEBSTER GILES

ROY BROOKE HOWARD

GEORGE W. LAWRENCE

GEORGE HAROLD STRUBLE

PHI KAPPA SIGMA—ALPHA EPSILON CHAPTER 1908



Hough Crabbs Jens Buck Whitmore Jens Austin Townsend Struble Lawrence Harvey

Shedd Aurelius Rogers Giles Wiard Wickerham Smith

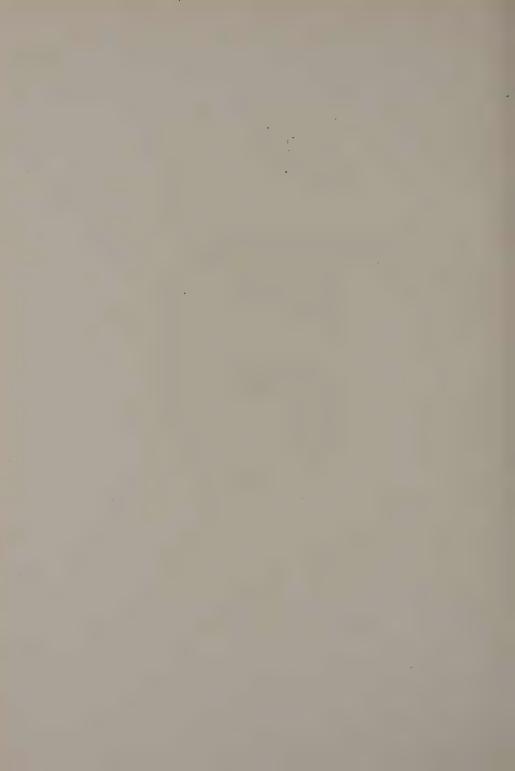




Phi Kappa Sigma Chapter House



Droka, Phila,





Delta Tau Delta

Chapter Roll

SOUTHERN DIVISION.

```
Vanderbilt University
         Lambda—1881
                Pi-1848
                             University of Mississippi
               Phi-1896
                             Washington and Lee University
   Beta Epsilon-1882
                             Emory College
                             University of the South
University of Virginia
Tulane University
     Beta Theta-1883
       Beta Iota—1889
    Beta Xi—1889
Gamma Eta—1903
Gamma Iota—1903
                             Columbian University
                             University of Texas
             WESTERN DIVISION.
        Omicron—1880
                             University of Iowa
University of Wisconsin
   Beta Gamma—1888
        Beta Eta-1883
                             University of Minnesota
                             University of Colorado
     Beta_Kappa—1883
       Beta Pi—1893
Beta Rho—1893
                             Northwestern University
                             Leland Stanford, Jr., University
University of Nebraska
        Beta Tau-1894
    Beta Upsilon-1894
                             University of Illinois
    Beta Omega-1898
                             University of California
                             University of Chicago
  Gamma Alpha-1900
  Gamma Beta—1901
Gamma Theta—1902
                             Armour Institute of Technology
Baker University
 Gamma Kappa—1905
                             University of Missouri
             NORTHERN DIVISION.
              Beta-1862
                             Ohio University
            Delta-1874
                             University of Michigan
          Epsilon-1876
                             Albion College
              Zeta-1882
                             Adelbert College
            Карра—1867
                             Hillsdale College
               Mu—1866
Chi—1881
                             Ohio Wesleyan University
                             Kenyon College
Indiana University
     Beta Alpha-1887
                             Indianapolis University
        Beta Żeta—1871
       Beta Beta-1875
                             De Pauw University
Ohio State University
        Beta Phi-1894
  Beta Psi—1894
Gamma Delta—1902
                             Wabash College
University of West Virginia
Purdue University
Gamma Lambda—1907
              EASTERN DIVISION
          Alpha—1863
Gamma—1861
                             Allegheny College
Washington and Jefferson College
               Nu-1906
                             Lafavette College
                             Latayette Conege
Stevens Institute of Technology
Rensselaer Polytechnic Institute
University of Pennsylvania
Lehigh University
Tufts College
              Rho-1874
          Upsilon-1879
           Omega—1897
   Beta Lambda—1889
         Beta Mu-1889
         Beta Nu-1889
                             Massachusetts Institute of Technology
  Beta Omicron—1890
Beta Chi—1896
                             Cornell University
Brown University
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Dartmouth College Columbia University Wesleyan University

Gamma Gamma-1902

Gamma Epsilon—1902 Gamma Zeta—1904



Delta Tau Delta

Gamma Beta : Chapter

Founded May 10, 1901

Seniors

HAROLD SLAIGHT ELLINGTON

LORENZO BRADY SMITH

Juniors

DONALD DOUGLAS DICK

FREDERICK ARTHUR NIESTADT

HENRY CHARLES FRISBIE

CURTIS MORGAN LINDSAY

ARTHUR WELLS FISHER

JOHN BESLER BASSETT

EARL WILLIAM CHAMBERLIN

Sophomores

SAMUEL LOVETT CHESLEY

ARTHUR RAYMOND MEEK

EARL LADD GOODSPEED

CLIFFORD PUTNAM JAMES

WILLIAM DAN OTTER

ROBERT WINCHESTER HALL

DOUGLAS PERRY FLETCHER

EUSTACE VYNNE

EVERETT WILLIS HOTCHKIN

Freshmen

HAROLD OSCAR FOSTER

RAYMOND MURRAY CORNING

PHILIP GEORGE ODGERS

CHARLES WILFRED HILLS, JR.

THANE GRIFFITH CLEAVER

ALFRED GEORGE KENNGOTT

PHILIP FRANCES MILLER

Pledges

FRED CHARLES HINKENS

ROSWELL PEARCE

JOHN GALBRAITH

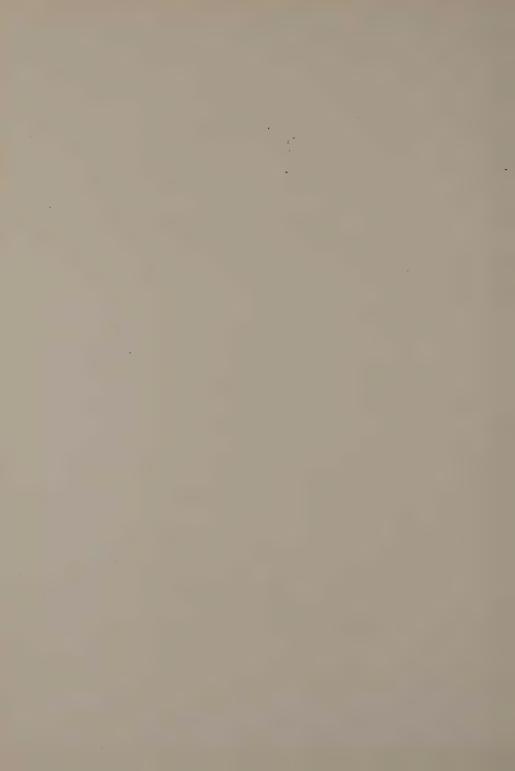
WILLIAM DANE HOOPER

Delta Tau Delta—Gamma Beta Chapter 1908



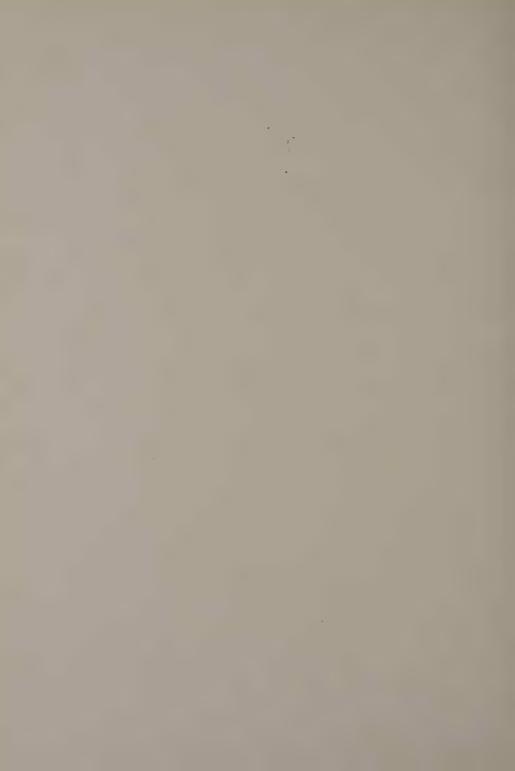
Hall Foster Galbrieth Otter Parker
Todd Cornng Fisher Goodspeed Dick
Cornng Hisher Godspeed Dick
Vynne Miller Hotchkin Odgers

Hooper Retcher Hooper Prisbie Lindsay Chamberlin Kenngoth





ТДП





Tau Beta Pi

Chapter Roll

Lehigh University Alpha of Pennsylvania-1885 Alpha of Michigan-1892

Michigan Agricultural College Alpha of Indiana-1893

Alpha of New Jersey-1896

Purdue University

Stevens Institute of Technology

Alpha of Illinois—1897

University of Illinois University of Wisconsin

Alpha of Wisconsin-1899 Alpha of Ohio-1900

Case School of Applied Sciences

Alpha of Kentucky-1902 Alpha of New York-1902 Kentucky State College Columbia University

Alpha of Missouri-1902 Beta of Michigan-1904

University of Missouri Michigan College of Mines

Alpha of Colorado-1905 Beta of Colorado-1905

Colorado School of Mines University of Colorado

Beta of Illinois-1906

Armour Institute of Technology

Beta of New York-1905

Syracuse University University of Michigan

Gamma of Michigan-1906 Beta of Missouri-1906

Missouri School of Mines University of California

Alpha of California-1907 Alpha of Iowa-1907

Iowa State College



Tau Beta Pi

Beta Chapter of Illinois

Founded April 6th, 1906

Active Chapter

E. W. Adams, '08
E. E. Andrews, '08
E. M. Beaty, '08
G. M. Burge, '08
F. C. COLLINS, '08

H. V. Glos, '08
A. R. Johnson, '08
G. R. McEldowney, '08
R. C. Ostergren, '08
R. A. Perkins, '08

S. A. SOUTHER, '08
M. L. THOMPSON, '08
A. G. WICKERHAM, '08
W. G. WUEHRMANN, '08
R. W. JOHNSON, '09

Honorary Members

H. M. RAYMOND H. C. COFFEEN

Faculty Members

R.	V.	Perry,	'97
E.	S.	LIBBY,	'02

E. H. Freeman, '02 O. A. Rochlitz, '01 D. P. Moreton, '06 F. G. Heuchling, '07

G. A. Grassby, Jr., '09 I. C. Peterson, '09

Manierre Dawson, '09 E. W. McMullen, '09 H. G. Dekker, '09

Pledges

T. W. SIMPSON, '09
A. P. STRONG, '09

TAU BETA PI-BETA CHAPTER OF ILLINOIS 8061



R. W. Johnson Glos
Ostergren Rochlitz
ge Berry Beary

A. R. Johnson Adams McEldowney

Wickerham Perkins

Wuehrmann Souther Coffeen Thompson

Freeman





TAU BETA PI CHAPTER ROOM



W. G. CLARKSON, '09

ERRETT W. EDMONDS, '10

SMITH H. LATTA, '08

G. G. PARRY, '08

O. L. RICHARDS, '10

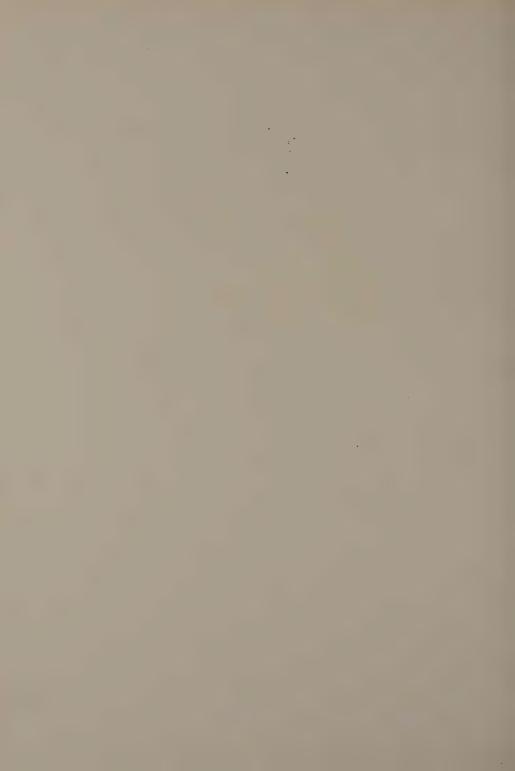
TRACY W. SIMPSON, '09

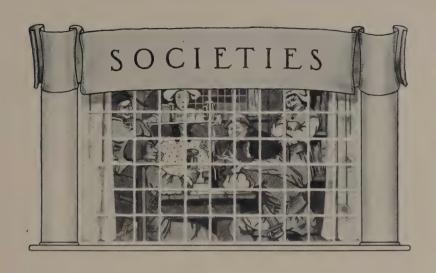
WILLIAM E. THOMAS, '09

M. L. THOMPSON, '08

Beta Theta Pi
Phi Delta Theta
Phi Delta Theta
Kappa Alpha
Phi Delta Theta
Delta Kappa Epsilon
Phi Delta Theta
Phi Delta Theta

University of Texas
University of Chicago
University of Illinois
William Jewell College
University of Chicago
University of Chicago
University of Chicago
University of Chicago
Iowa State College





THE RADICAL X.

THE CHAPIN CLUB.

THE FACULTY CLUB.

THE CIVIL SOCIETY.

THE SENIOR MECHANICAL SOCIETY.

THE ELECTRICAL SOCIETY.

THE Y. M. C. A.

THE CHEMICAL ENGINEERING SOCIETY.

THE NEBRASKA CLUB.

THE GLEE AND MANDOLIN CLUBS.

THE ALUMNI ASSOCIATION.



IN COLLEGE

AUSTIN CRABBS RALPH HOLMBOE ROY W. STURTEVANT
HAROLD S. ELLINGTON SMITH H. LATTA LORENZO B. SMITH
JAMES GUERIN JOSEPH E. MONAHAN JOHN S. TOWNSEND
KENDRICK HARGER CHARLES S. PACKER ADAM G. WICKERHAM

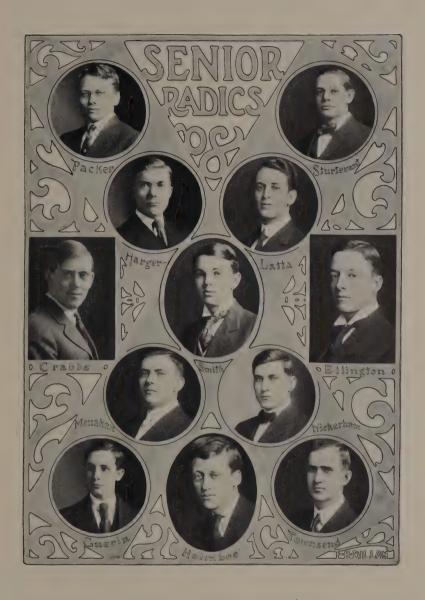
OUT OF COLLEGE

H. CLIFFORD BROWN HARRY J. FARMER HOOPER A. PEGUES
THOMAS W. BAUNEMAN CHARLES O. FRARY THOMAS W. SMITH
G. GILBERT BUHMANN H. CHRIS HANSEN JOHN E. SAWYER
HAROLD D. BLISS JOHN M. LANE RALPH W. TUTHILI.
IRVING ODELL

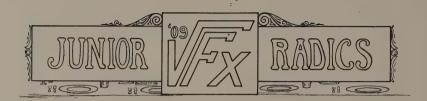
The purpose of the Radical X at the time of its inception was the same as its purpose at the present day—the promotion of good fellowship and in general the betterment of the college life at Armour. The members of the society are elected by the junior and senior members from a list of freshmen prepared by the Sophomore Radics. Twelve men are so selected about the middle of every school year. These choose another man who completes the society. When a member leaves school, another good man is chosen to fill his place, so that the membership is kept at about fifty men at all times.

The '08 Radics have in every way been good Radics, and are worthy successors to their predecessors, the charter members. They have always been leaders in all branches of student activities. The twelve who have been together the past year have been a bunch of "live ones." During the winter, frequent evenings were very enjoyably spent at a little supper with the theater afterwards. Most of the fellows who live in the city also entertained their brother Radics at their respective homes.

And the Radic dance—"the best ever at the Institute"—that was where the Senior Radics showed up in full force, and enjoyed themselves to the utmost. But their time is almost finished and soon college days will be but a pleasant memory for the Senior Radics.







IN COLLEGE

S. J. Aurelius H. C. Frisbie J. S. Harvey
D. D. Dick C. M. Lindsay F. A. Niestadt
A. M. Ellett E. V. McKarahan M. C. Shedd
A. W. Fisher E. F. Miller W. H. Wiard
E. D. Nelson

OUT OF COLLEGE

W. H. Edwards F. J. Hughes R. M. Overstreet
W. L. Fry R. M. Newman R. D. Wilder

Hooray for '09! Every Radic in our class came back to school this year, and what's more, none of them have quit during the year.

There is one good thing (of course there are lots of good things, but this is particular) about the '09 Radics. They are strong on the Radics spirit. Enthusiasm is their strong point. All but two of them turned out to the dance at the Waupanseh. And say, didn't we have a good time! It was worth the price of admission to see Frisbie do the "Barn Dance."



We didn't get a taste of roast pig this year, but the other good times we had made up for that to a great extent. The "Chorus Lady" made a hit with us and there is no doubt but that we made a hit with her. At least Rose Stahl blamed "Spike" for all the trouble. If you ask "Spike" about it he will act bashful at first, but keep after him, and he will tell you all about it.

Memories of the "Spring Chicken" still remain with us. Richard is again in town so we have planned to give him an ovation, and if "Mary's Lamb" is up to snuff we will have even pleasanter memories to write of next year.



NIESTADT FISHER AURELIUS ELLETT NELSON
FRISBIE LINDSAY DICK MCKARAHAN
MILLER HARVEY SHEDD



IN COLLEGE

P. D. BENTLEY H. R. HOUGH H. J. ROGERS
W. C. BRUCE W. G. JENS W. E. THOMAS
G. W. BUCK A. R. MEEK F. VYNNE
E. L. GOODSPEED H. J. MOORE C. M. WHITMORE
O. L. RICHARDS

OUT OF COLLEGE

L. B. Bunge Frank Fuller, Jr. L. B. Noble S. L. Chesley C. Kirkatrick F. Sweet

The frolicking, rollicking Sophomore Radics certainly "get the pup" for being heavy stockholders in a great big joy factory. Our sleighing party out to the Country Club, where we devoured a hot supper, was great, but we were sufficiently cooled off on our return, when we were precipitated into a snow bank on the upsetting of the sleigh. That was about as glorious and as hilarious a time as we had, but we must not forget to mention our box party, where the girls, poor dears! received such colds on account of wearing "decollote" dresses; and of course we don't mention about the times we went to see "The Follies of 1907," and "The Parisian Model."

Several of the members entertained at their homes during the year, where their lovely sisters (and you would be surprised to see how many there were)



proved more attractive than anything else. Then the staunch support given the general Radics dance and the banquet proved that the Sophs could all turn out with bells on and help in the finest affairs of the season; but what we have planned for the future makes the past seem insignificant, so that we shall have to wait a whole year more before we can recount to the full all that the Sophomore Radics are doing.

SOPHOMORE RADICS 1910



Whitmore Moore Goodspeed Vynne Hough

Thomas

Meek Rogers Bruce

Buck Richards



IN COLLEGE

C. H. COOPER	H. W. Jones	S. E. Austin
A. W. Buckingham	G. W. LAWRENCE	H. O. Foster
O. S. Burke	G, H. STRUBLE	G. VIGEANT, JI
R. Strawbridge	R. W. CORNING	R. B. Howard
	E' G O'RDIEN	

We had heard a great deal of the Radical X Club and when we had been chosen members we looked forward with no little anticipation to the initiation banquet. This, not only to partake of the good eatables which we were sure would be laid before us, but also to meet the upper classmen, who in their time had been Freshmen Radics before us.

We expected much in the way of good fellowship and were not disappointed. We were banqueted in the best of banquet halls and were served in the most appetizing manner. The older men gave us a hearty welcome, which we accepted with heartfelt appreciation.



The very spirit shown on this occasion was a foretaste of something that we had not anticipated. We breathed the air of good-fellowship and felt not out of harmony with their jokes and their merry songs. In fact, before the banquet was over, we saw each singing with the other, and laughed to think of how unconsciously the old Radics spirit had crept into us. A sad face would surely have been a positive disguise among so many happy ones. We hated to leave when the time came, but such good times do not last and we knew it, going home assured that the Radical X Club was a real moving factor at Armour, and agreeing that we would put our shoulders to the wheel that made it move.

As time went on, a dance was suggested, and we Freshmen were not found lacking, but did our share toward proving it the biggest social success that any organization from Armour ever attempted. Some of the upper classmen prophesy that we will lose all of our surplus energy in unnecessary enthusiasm, and will leave none for our remaining years, but our motto is "Go while the going is good." So we are getting together now for some parties of our own, to come further along in the Spring.

FRESHMAN RADICS 1910



Cooper Burke

Strawbridge Jones Buckingham Lawrence Vigeant Struble Foster



President Mr. A. A. DITTMAR, '08
Vice-President Mr. E. B. CRANE, '09

Secretary Mr. O. S. Edwards, '10

Treasurer Mr. F. U. Smith

Librarian Mr. L. L. Powell, '11

For some time past there has been felt the need of an organization which would tend to unify the different classes and promote good fellowship among the students of the Institute. To fulfill this want, the Simeon B. Chapin Club was organized. The project had not been carried out before mainly because of lack of room, and it was not until the buildings formerly occupied by the American School of Correspondence were vacated that the difficulty could be overcome.

Mr. Simeon B. Chapin, a member of the Board of Trustees of the Institute, donated \$500 to go towards furnishing the rooms. A handsome clock was presented to the club by Dr. Gunsaulus, and a piano was secured. The rooms were finished up in the Mission style, and the furniture is of that pattern. A number of popular magazines are delivered to the club rooms, and several chess and checker sets have been added to the equipment.

The constitution, which is modeled after that of the Reynolds' Club at the University of Chicago, was drawn up by a committee on organization, consisting of Dean Raymond as chairman, Mr. F. U. Smith, Mr. B. B. Freud, Mr. J. B. Finnegan, and the presidents of each of the classes, and was later accepted by the student body of the college. The class presidents were appointed temporary officers, with Mr. F. U. Smith as treasurer.



At a second meeting two weeks later the officers for the semester were elected. Each class then elected a representative, and these representatives, with Dean Raymond and Messrs. Smith, Freud, Finnegan, Dittmar and Edwards, constituted the Board of Control of the club. At the first meeting of this board, a house committee was appointed, and the club rooms were turned over to this committee. Beginning with the second semester, membership cards were issued, and the collection of dues was commenced, with the result that no noticeable decrease in the attendance took place, the membership at the present time being over two hundred.

The Chapin Club is a smoker's club essentially, and no doubt the consumption of tobacco has materially increased since the inception of the organization. The members come to the club rooms in the intermission between classes and during the noon hour, and so spend a few minutes each day in recreation and in getting better acquainted with each other. From the office of the deans, it has been learned that the average scholarship is higher and that there have been less failures than ever before. Those working to make the Chapin Club a success point to this as a condition which has been favorably influenced by the club. A new and increased school spirit has arisen and beyond a doubt this has been largely due to the Simeon B. Chapin Club.



The Club Rooms



1907

D. F. CAMPBELL, President G. L. Scherger, Vice-President

W. W. MANNING, Secretary

G. F. Deitz, Treasurer

1908

H. C. Coffeen, President

R. Burnham, Vice-President

G. M. WILCOX, Secretary

R. V. Perry, Treasurer

The Faculty Club is to the members of the faculty what the Chapin Club is to the student body—a place for recreation and social enjoyment. The two club rooms are fitted up in an elegant fashion in the Assembly Hall building, and are furnished with billiard tables and chess and checker sets. Many a pleasant hour is spent here by the professors and other instructors of the school, and the members of the faculty thus become more acquainted with one another than would be possible in any other way. A big chess tournament has lately been conducted, at which Mr. Manning and Mr. Dorweiler proved themselves the best players of the club. Prof. Campbell and Mr. Little have also been conducting a private tournament to see which could excell in playing checkers. The results of this interesting tournament have not yet leaked out, but it is thought that the two Scotchmen were pretty evenly matched.

Several receptions for the ladies, as well as a number of smokers and musicals for the faculty only, have taken place during the past year. The membership is over fifty, so that for the big social events the library has to be called into use.

The club is now planning to revise their constitution so as to incorporate under the state laws. The government will then be in the hands of a board of five directors, who will consist of the above named officers and one other member to act as auditor. The house committee is at present composed of Messrs. Smith, Phillips, and Perry, and the membership committee is composed of Messrs. Scherger, Finnegan, and Wilcox.



W. I. Converse, President

J. CERNY, Vice-President

R. L. Stevens, Recording Secretary

A. R. Webb, Treasurer

H. S. Ellington, Corresponding Secretary

PROF. PHILLIPS

Members Board of Direction A. A. DITTMAR

HONORARY MEMBERS

Prof. A. E. PHILLIPS PROF. M. B. WELLS

Mr. V. S. Persons

Mr. Ray Crow

Mr. J. H. Armstrong

ACTIVE MEMBERS

SENIORS.

J. CERNY W. I. Converse A. A. DITTMAR M. DOUTHITT A. W. EATON, JR. H. S. Ellington K. HARGER

G. L. MEYER H. R. MATTHEI R. L. LARSON A. C. TAYLOR C. S. PACKER W. TRINKAUS, JR. F. J. URSON E. POLLAK A. R. Webb I. H. SCHRAM G. H. WILSEY R. L. STEVENS

JUNIORS

H. E. BECKMAN C. L. CURRIER M. DAWSON W. J. DEVENEY

A. A. EBERT H. C. FRISBIE R. W. Johnson R. Lessel

I. Peterson R. L. REYNOLDS T. E. RICHARDS, JR. R. A. Walther

S. L. ZIMMERMAN

G. D. LETTERMAN

R. W. STURTEVANT



The Civil Society

The Armour Civil Engineering Society as it now exists was formed in the spring term of 1906 by the senior class of 1907, and has flourished in every respect since the moment of its inception. It has a larger membership than any other engineering society of the college and is on a good financial basis. Its object is primarily the presentation and discussion of papers on civil engineering topics, but it also serves for the furtherance of social life among its members, and forms a bond of close fellowship among the upper classmen and alumni of the Civil Engineering Department of Armour Institute of Technology.

All members of the senior and junior classes of this department are eligible for active membership, while the alumni comprise the senior membership, and the department professors are honorary members. Honorary members may also be chosen from men of eminence in the civil engineering profession. The society now consists of seventy senior members, thirty-four active members, and five honorary members.

The society has always taken a leading part in the social life of Armour Institute, and has done much to promote good feeling among the members of the senior class. Through the kindness of the council, the engineering societies have been provided with club rooms in Chapin Hall. The civils took the first steps and did a large share in the furnishing and maintenance of these rooms. On the evening of January Thirty-first, the society gave a "Ladies' Night" at the club rooms, which were tastefully decorated for the occasion. Arrangements are now being made to give a May party and a banquet towards the end of the second semester.

Regular meetings are held on the second and fourth Tuesday evenings of each month throughout the two semesters, at which papers, illustrated by lantern slides are read and discussed. The society has filled a long felt want among the upper classmen of the civil engineering department, and the interest of succeeding classes, together with the stimulus of the better facilities for such societies, bids fair to produce an excellent organization.

Other papers will be given later by Mr. V. S. Persons; Mr. Clausen, a former Armour man now connected with the engineering department of the city; Mr. Ericson, the city engineer; Mr. E. J. Tebbets, of the C., B. & Q.; and by several other prominent engineers.

THE ARMOUR CIVIL ENGINEERING SOCIETY 1908



Cerney Matthei Richards Johnson Harger Lessel Bbert Larson Walther Schraum Peterson Beckman Trajor Armstrong Phillips Wells Dittmar Eferense Webb Sturievant Dittmar Lettermann Urson Oranson Trinkaus Packer Armstrong Sturievant Devenoy Lettermann Urson Wilsey Ellington Dawson



D. O. Barrett

G. C. Burge

THE SENIOR MECHANICAL SOCIETY



J. D. Loofburrow

R A Perkins

PRESIDENT CLAYTON F. BUSSE

SECRETARY LAWRENCE C. FRIEDLANDER

TREASURER RAYMOND C. LEWIS

MEMBERS

SENIORS.

R. L. Lewis

J. E. Monahan

	-	
C. F. Busse	W. C. Morgan	J. S. Townsend
A. J. Ebner	H. V. Glos	P. J. Pahlman
L. C. Friedlander	S. H. Latta	G. M. Valerio
	JUNIORS.	
S. J. Aurelius	R. T. Evans	F. H. Mayes
K. M. Boblett	G. A. Grassby, Jr.	G. G. Parry
W. F. Conlin	J. S. Harvey, Jr.	M. C. Shedd
H. G. Dekker	B. F. McAuley	J. L. Spitzglass

THE SENIOR MECHANICAL SOCIETY



Mayes

Monahan Harvey

Townsend Friedlander

Crabbs Busse

Aurelius Dekker

Evans Ellet



The Senior Mechanical Society

The Senior Mechanical Society is an organization of the Senior Class in mechanical engineering founded by the Class of 1905 for the two-fold purpose of securing membership in the American Society of Mechanical Engineers, and of maintaining an organization among the Seniors of the mechanical department which would unite them in a closer fellowship.

The membership of the society is divided into two classes, active and associate. The former is composed of all the men of the Senior mechanical course. The members of the Junior mechanical course who have fully completed the work of the Sophomore year are eligible to associate membership, and when they have successfully completed the work of the first semester of the Junior year, they become active members. In this manner, it is expected to make the organization permanent and successful.

The society now occupies, with the other engineering societies of the Institute, permanent quarters in Chapin Hall. Here meetings have been held at regular intervals and topics of general interest have been discussed. A number of papers have been read before the society from time to time, and from the resulting discussion the members are afforded the opportunity of not only becoming familiar with the practical problems which are being handled by the leaders of the profession, but also of getting the experience gained by presenting individual ideas before an audience. A resumé of these addresses are to be printed and distributed among the members at the end of the year.

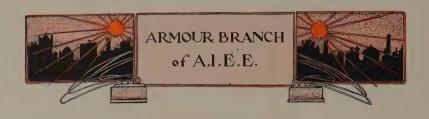
In conclusion, it may be said that the year 1908 finds the society in comfortable quarters with the prospects of having a most successful year. If future classes show as much spirit and interest as has been shown the past year, the future of the society is indeed a bright one.



Program of the Senior Mechanical Society

1907 - 1908

Oct.	24.	Increase in the Use of Gas Producers	Prof. H. B. MacFarland
Dec.	10.	A Method of Relieving the Chicago Loop Congestion	H. H. Hennegin
Dec.	17.	The Nevada Desert Flyer	R. C. Weinert
Jan.	21.	Mechanical Equipment of Mandel Brothers	A. Johnson
Feb.	4.	The Commercial Motor Car	H. H. Hennegin
Feb.	11.	Exhaust Steam Heating	A. W. MacMillan
Feb.	18.	The Cost of Operating an Isolated Station	W. L. Jackson
March	10.	The Modern Automobile	Austin Crabbs
March	17.	Smoke Prevention	A. Bement
March	24.	Coal Mining Machinery	I. E. Stevens
March	31.	Chimneys	A. R. Maujer
April	7.	The Effect of Boiler Feed Water in Practice, and the M	ethod of
		Counteracting the Same	- W. A. Converse
April	14.	Power Plant Accounting	A. Johnson
April :	21.	Combustion	M. S. Flinn
May	5.	Refrigeration	Thomas McKee



Prof. J. E. Snow, Chairman and Local Secretary.
T. C. Oehne, Vice-Chairman.
C. R. Morey, Recording Secretary and Treasurer.

EXECUTIVE COMMITTEE

Senior Members.

M. A. Buehler

J. H. Jacobson

Junior Members.

T. W. Simpson
F. C. VanEtten

MEMBERS.

FACULTY.

Prof. A. A. Radtke W. E. Barrows
Prof. J. E. Snow S. E. Marsh
Dean H. M. Raymond

Seniors.

E. W. Adams J. H. Jacobson M. J. Anderson A. R. Johnson H. R. Badger V. E. Laurence. E. M. Beaty C. R. Morey G. A. Binder H. W. Nichols M. A. Buehler T. C. Oehne F. C. Collins L. E. Simmons A. B. Cornwell S. A. Souther R. G. Grant V. F. Vacek

Juniors.

E. B. Crane A. C. Riker
H. S. Curtis T. W. Simpson
W. C. Lockwood G. I. Stadeker
Harry Ostergreen F. C. Van Etten

ARMOUR BRANCH-A. I. E. E. 1908



Grant Binder Anderson Standerson Van Biten Corruel Lawrence Collins Beaty Vacek Simpson Ostergren Buchler Ochne Snow Morey Jacobson Souther



Armour Branch

OF

The American Institute of Electrical Engineers

The Armour Branch is now in the fifth year of its existence. The purpose of the local organization is to keep its members in touch with recent developments in electrical engineering and bring to their notice the practical problems of the day. This is accomplished by reading and discussing papers presented before the parent organization in New York and original papers presented by local members. A special point is made of the experience gained by a student when called upon to express his ideas before an audience.

The parent body is composed of the leading electrical engineers of the United States and Canada. At their regular meetings in New York, electrical problems and conditions are brought up and discussed and are published monthly in the Proceedings. These proceedings are received by all student members. Each year the parent body offers a gold medal and certificate to the student who submits the best thesis or record of research on theoretical or applied electricity or magnetism. This is known as the Edison Medal and the thesis or record of research is judged by the Edison Medal Committee, which was organized in 1903 to commemorate the achievements of the great inventor. Only two qualified students from the same school can compete during the same year.

Membership in the local branch is limited to those of the faculty who are members or associates of the parent body, and to the Junior and Senior electricals, who have the privilege of joining for three consecutive years. A fee of three dollars is charged by the parent body for the monthly proceedings. The members of the Armour Branch are especially fortunate in being invited to attend all of the meetings of the Chicago Section, receiving regular notices of the same. The application blanks for student membership require a brief synopsis of the education and experience of the student. These blanks may be obtained at any time from the chairman or secretary of the local branch. At the end of each school year officers are elected for the following year.

The executive committee is composed of the chairman, vice-chairman, and two representatives from the Senior members and two from the Junior members, appointed by the chairman. It is the duty of this committee to pass on all original papers and discussions on the proceedings of the parent body, which are to be presented before the local branch and to arrange for the meetings. The regular meetings of this branch are held on the first and third Thursdays of each month, in the Engineering Society rooms in Chapin Hall. Cards are sent out the first of each month announcing the program for that month.



Program of Regular Meetings

1907-1908

Oct. 10.	Theater Illumination	J. H. Jacobson
Oct. 24.	Selection of the Proper System for an Electric Railway	S. A. Souther
Nov. 14.	Electric Elevators	V. E. Laurence
Dec. 5.	Induction Motors and Their Application to Cement Manufacture	F. C. Collins
Dec. 19.	Three Wire Systems and Balancer Sets	L. E. Simmons
Feb. 6.	Train Lighting Systems	M. Gilmore, '07
Feb. 20.	Heavy Electric Railway Practice	T. W. Simpson
March 5.	Indexing Engineering Information	Discussion
April 3.	The Use of Prismatic Globes and Reflectors in the Distribution of	of Light
		C. A. Howe
April 9.	An Electrically Controlled Interlocking System	E. W. Adams
April 16.	Storage Batteries	A. R. Johnson
May 7.	Lightning Protective Apparatus	C. R. Morey
May 21.	Application of Motors to Machine Tool Driving	Prof. J. E. Snow

Program of Special Meetings

1907-1908

Nov. 28. The Equipment and Operation of A. C. and D. C. Subs	stations of the
Commonwealth Edison Co.	H. W. Nichols
Jan. 30. Electricity Direct from Coal	Prof. A. A. Radtke
Feb. 13. The Value of an Engineering Education E. I	M. Beaty and R. G. Grant
March 12. Chicago Traction Problems	H. R. Rice, '97
April 30. A Study of Alternating Currents with the Oscillograph	Prof. C. E. Freeman
May 14. Some Features of the Electrical and Mechanical Equ	ipment of the
U. S. Navy	W. F. Sims, '97



President F. E. Barrows
Vice-President Department Secretary
Recording Secretary R. L. REVNOLDS
R. Ambrose

BOARD OF MANAGERS.

G. L. Scherger

F. U. Smith

F. E. Barrows

W. A. Colledge

C. W. Leigh

T. E. Doubt

G. M. Wilcox





The Young Men's Christian Association has enjoyed, since its inception at Armour, an ever increasing popularity. It has, with its handshakes and socials, created a feeling of fellowship and cordiality which has proven highly beneficial to the general tone of the student body. Having, as it does, Christian work as its object and enjoying faculty support, it has been a success in many ways.

The religious phase of its work is covered by the regular weekly Bible Study classes under the able leadership of Mr. Paul C. Foster, Student Secretary of the Chicago association. Another feature of this organization is the Chess and Checker Club which has been formed under its auspices. Several tournaments have been played during the year, creating considerable interest.



BOWMAN REYNOLDS BARROWS AMBROSE
PETERSON WILCOX LEIGH SCHERGER DOUBT



ISIDORE Z. ETTENSON, President
ELLIS E. ANDREWS, Vice-President,
GEORGE WILSNACK, Secretary and Treasurer.

MEMBERS

E. E. Andrews W. Patrick
P. Chatain R. Sherman
I. Z. Ettenson C. H. Teesdale
H. DeLemon G. Wilsnack
S. Lunak R. Winser

?



MEMBERS

E. M. Beaty, President	Blair
E. M. Pinkerton, Secretary	Inland
L. M. Bexton	Omaha
A. C. Riker	Blair
H. P. Langstaff	Blair
G. F. Wolters	Omaha
G. V. Green	Kearney
J. L. Hamsher	Hastings
R. R. Zack	Columbus
V. F. Vacek	South Omaha
C. R. Morey	Hastings
H. R. Badger	Omaha
S. F. Sharpless, Jr.	Norfolk
H. Parsons	Omaha
G. F. Cummings	Omaha



The Glee Club

FIRST TENORS

M. A. Buehler, 1908

M. C. Lawson, 1910

H. S. Grenoble, 1910F. E. Parkins, 1910

C. H. Marx, 1911

FIRST BASSES

V. E. Lawrence, 1908

D. D. Dick, 1909

J. S. Harvey, 1909

G. V. Green, 1911

H. S. Fielder, 1911

W. C. Lockwood, '09

SECOND TENORS

E. V. McKarahan, '09

A. M. Ellett, 1909

E. Vynne, 1910

F. W. Groves, 1910

R. L. Stevens, 1908

SECOND BASSES

A. A. Dittmar, 1908

J. Jacobson, 1908

E. G. O'Brien, 1911

D. S. Edwards, 1910

D. B. Fletcher, 1911

The Mandolin Club

VIOLINS F. C. Van Etten, 1909 L. H. Mautener, 1911 First Mandolins C. H. Morey, 1908 J. E. Monahan, 1908 M. Dormitzer, 1911 J. R. Montigel, 1911

SECOND MANDOLINS W. C. Lockwood, '09 T. G. Cleaver, 1911 E. B. Hamilton, 1909

Piano C. F. Busse, 1908 C. W. Binder, 1911

FLUTE
S. E. Austin, 1911

GUITAR
A. A. Dittmar, 1908



THE GLEE AND MANDOLIN CLUBS, 1907-08



"On the deck, once again"—the Glee and Mandolin Clubs this year are once more in the position they so enviably held a few years ago, that is, the honor of being "the most powerful organization in the Institute," and the club which excells all previous attempts in the delightful entertainment of "after the show feeds." We enjoyed giving our concerts. After they were over, we all unanimously declared that the Muses had so uplifted our souls that our physical man should not be slighted, and so off we went to leave our proceeds, or a portion thereof, with Tom Jones's, the Tip Top Inn, or some other charitable institution.

The clubs had the usual hard times to get started that they have always had. Mr. C. R. Morey and Mr. A. A. Dittmar were the leaders of the clubs last year, and so they took it upon themselves to call rehearsals. After a month, enough men were assembled to form a club, and the present officers were elected. It is due to the perseverance and splendid leadership of Mr. Dittmar that such a strong and efficient body has been organized, and we also owe to him our many "hot times."

Friday, December the Thirteenth, the first concert was given in the Auditorium. Placards were posted on every corner of Chicago, and a stereopticon lantern was used to throw advertisements on a canvas hung on Armour avenue. The sections in the gallery were decorated by the classes which occupied them, the boxes by the three fraternities, and the stage by the clubs. The concert was such a success that other concerts were immediately booked from neighboring towns.

After vacation we gave two consecutive concerts; January 16 at the Maywood, Illinois, Public Library, and January 17 at the Blue Island Theater. Due to a dance given the same night at Maywood, we had a rather small audience—so few, in fact, that "Dolly" tried to count them on his fingers while the quartet was giving its stunt, and he nearly broke up the house. Blue Island is a beautiful place—they do appreciate music so much. The house was packed. After it was over, well, Tom Jones had to run across the alley and borrow from the neighboring restaurants, we ate so much. Our last foreign concert was at the Central Park Presbyterian Church on February 21.

We are the proud possessors of a permanent club room on the second floor of Chapin Hall. Here the men may meet, hold business meetings, and keep their instruments and music.

The clubs have the best prospects for as good a time next year as have ever been enjoyed. Most of the old men will be back, and every one expects magic things for 1908-1909.



Annual Home Concert

Assembly Hall

PROGRAM

PART I

	(a) Good Old Armour Tech	
(-)	GLEE CLUB	
	(a) Assembly	
(0)	Mandolin Club	
	(a) The City Choir	
(6)	(b) Limericks	• • • • • • • • • • • • • • • • • • • •
4 Tot	Jane Eliza Jones	Frederich Rullard
± Jai	Mr. Smith and Club	····· Danul
5 Th	The Mermaid	Aubrey Stauffer
0 (-		
	(a) The Cat with the Baritone Voice	
(0)	GLEE CLUB	
	Intermission	
	Part II	
1 Pr	Predicaments	Tweedy
	Mr. Dick and Club	
2 Da	Dance of the Goblins—Descriptive Fantasia	Smith and Zublin
Syno	NOPSIS.—Scene: An Old Country Church Yard. Sounds stalk forth, Ghost March. Grand Parade of the Gob Goblins March Again. The Skedaddle. Goblins scam	olins. Frolic among the Tombs.
3 (a)	(a) Poor Ned	College Song
(b)	(b) Father's Lullaby	Kratz
	GLEE CLUB	
4 I /	I Arise from Dreams of Thee	Tillotson
~ ~	Mr. Laurence and Club	G
	Sorella	
6 (a	(a) Bzt, Bzt)
(b)	(b) The Mermaid	Old College Songs



OFFICERS OF THE ALUMNI ASSOCIATION

W. J. GORDEN, '99, President

W. H. BEATTYS, '99, Vice-President

J. M. NATT, '04, Treasurer

D. P. Moreton, '06, Corresponding Secretary

A. B. Benedict, '04, Recording Secretary

R. H. RICE, '97, Master of Ceremonies



The aim of this association is to bring the graduates of Armour Institute of Technology into close touch with each other and to promote the welfare of the institute in any way within its power. An alumni association may render great assistance to the officials of the institute, not only in advising as to what studies should or should

not be included in the curriculum, but also in assisting younger graduates to positions.

The Alumni Association is composed of three classes, active members, or those who are graduates of the technical college, associate members, or those who have completed at least two years' work in the technical college, and honorary members, or those to whom the association sees fit to extend honorary membership. The members of the technical college faculty have also been admitted to associate membership. There is a branch organization in Pittsburg.

Two banquets and business meetings are held annually, one in June and one in December. Each banquet last year was well attended. At the first one on June 8, at the Chicago Beach Hotel, the graduating members of the class of 1907 were admitted to membership. The cut at the top of the page shows the pin which all alumni of the institute should wear. Its background is of black enamel with gold letters. The Fulcrum is the official organ of the association. A pamphlet containing a list of the names and addresses of alumni is published each year and distributed to them.



The year of 1907-08 has seen the institution of an entirely new and novel society at Armour. The married men have formed a protective and consolation club, to which each may come when home life is not all it's cracked up to be. There are two degrees in this order, namely, degree de premiere and degree de père. The numerosity of hopefuls determines a member's standing. Prof. Coffeen refused to join at first, but even he finally of a sudden consented to submit to initiation. Following is given a list of the officers and members:

OFFICERS

F. W. Gunsaulus, President W. F. Shattuck, Vice-President G. M. Wilcox, Secretary T. C. Pollock, Treasurer

RECIPIENTS OF DEGREE DE PERE

	Number of		Number of
Name	Hopefuls	Name	Hopefuls
F. W. Gunsaulus	5	N. C. Riggs	2
W. F. Shattuck	4	J. L. Spitzglass, '09	2
T. C. Pollock	4	A. R. Zorn	2
G. M. Wilcox	4	J. G. H. Lampadius	2
J. S. Reid	3	F. U. Smith	1
E. S. Libby	3	H. M. Raymond	1
O. C. Clifford	3	G. F. Gebhardt	1
H. J. Armstrong	3	W. F. Willard	1
G. L. Scherger	3	W. G. Smith	1
A. E. Phillips	2	A. A. Knowlton	1
M. B. Wells	2 ·	J. B. Finnegan	1
V. Oldberg	2	W. A. College	. 1
W. T. Howell	2	D. F. Campbell	1
C. E. Boutwood	2	C. W. Leigh	1
T. E. Doubt	2	C. I. Palmer	1
H. McCormack	2	A. A. Dittmar, '08	1

RECIPIENTS OF DEGREE DE PREMIERE

	TELOTITE OF PEGINE	
L. C. Monin	A. A. Radtke	C. F. Hagenow
R. Burnham	J. E. Snow	W. K. Smart
H. B. McFarland	E. H. Freeman	W. W. Manning
R. V. Perry	H. G. Clasen	. W. B. Walrath
H. C. Coffeen	D. P. Moreton	
H. L. Nachman	W. E. Barrows	K. M. Boblett, '09
A. H. Anderson	G. E. Marsh	M. J. Anderson, '08
W. F. Deitzsch	L. H. Haynes	T. Lovett, '11
E. D. Agle	J. E. Lind	C. W. Cathcart, '10
N. P. Peterson	· · · · · · · · · · · · · · · · · · ·	R. L. Gray, '11







The Annual Freshman Handshake given under the auspices of the Armour Y. M. C. A. was held Friday evening, September 27, in the hall at the north end of Ogden Field. This is a function peculiar to Armour Institute, and does more than anything else to get the Freshmen acquainted with each other, and with the upper classmen.

Despite the heavy rain which was falling at the time, a large number of students came out. They were met at the door by a reception committee, which handed to each one a card, one side of which contained the school and class yells, and the other of which was intended for the signatures of every man whom a fellow met. Before the end of the evening, some fellows had three such "Who are you" cards filled out. After some little time spent in getting acquainted, the crowd became quiet, and Dean Monin gave the opening address of the evening in behalf of the Institute. He was followed by Dr. Scherger, who gave the address of welcome for the Y. M. C. A. Other talks were given by E. H. Stillman, R. L. Reynolds, and Mr. Paul C. Foster, the student secretary for the City Y. M. C. A.

These excellent addresses were interspersed by a number of well rendered selections on the violin and piano, and several vocal selections, both solos and *choruses*. Each class banded together every once in a while and gave its class yell, and then the men scattered to get acquainted with other new men.

Late in the evening refreshments were served by Capt, Larson. Judging from the way these disappeared, they need no eulogy. Every one in attendance at the handshake left feeling that much had been accomplished in the introduction of the Class of 1911 to the fellowship of the college students.





THE ATELIER DANCE.

The first annual dance of the Atelier, the informal of 1907, was enjoyed in the Dining Hall of the Art Institute. The event was very select and almost exclusive. The hall adapted itself beautifully to the decorations in Japanese lanterns and flowers. The refreshments were delightful and bountifully supplied. The music, furnished by Ballau, maintained the spirit of the occasion. These features, together with the special favors granted by the Art Institute, combined to make the affair one of the brightest spots of our college days.

RADIC DANCE.

On April 12, 1907, the Radics departed from the usual rule of a formal dance by giving a semi-formal at the Lakeside Club-house. Much credit is due the committee for their earnest efforts which made the affair a success. The committee was composed of C. U. Smith, A. A. Kelkenny, J. E. Monahan, G. S. Laubach.

THE '08 JUNIOR DANCE.

At the Lakeside, on the 17th of May, 1907, an Armour crowd was again seen. The committee in charge was very energetic and as a result there was a large bevy of pretty Armour girls to make the evening pleasant. Ballau was the master of the music for the one hundred and forty couples. As usual, everyone had a very enjoyable evening, despite the crowded floor.

ATELIER INFORMAL.

The Architects opened their social season by a well attended informal at the Art Institute on October 10, 1907. As a means of getting acquainted with the upper classmen, the annual Atelier informal is extremely valuable to the Freshmen. Everyone enjoyed himself or herself, and even the stately and dignified Seniors so far forgot themselves that they gave vent to many expressions of admiration for the pretty first year girls.

'08 SENIOR DANCE.

The Seniors were the first of the classes to give their dance of the '07-'08 season and an excellent, if not large crowd, danced to the ever welcome strains



ematating from Lawrence's orchestra in the spacious ballroom of the Lakeside. The class of '08 thus made its farewell appearance on the stage of Armour society and to say the least they did it gracefully. The affair took place on Friday evening, December 6, 1907.

'09 JUNIOR DANCE.

The class of '09 kept up its reputation for giving fine dances when the social committee received us at the Colonial Club on January 24, 1908. This first social event of 1908, the Junior Dance, was well attended; the loyal Juniors, with their equally loyal Armour girls, turned out in fine style, coaxed by the fine weather, perhaps. The dance was a success and everyone present joined in saying that '09 was surely an excellent host. Lawrence was again the source of harmony and with several barn dances interspersed among regulars, furnished considerable fun.

'10 SOPHOMORE DANCE.

The Sophomores were on the lookout for something original and they succeeded in finding it in the barn-dance. On February, 21, 1908, with Lawrence's orchestra and the Lakeside ball-room, together with a fine crowd, the class of 1910 gave their second annual dance. The affair was an unmixed success, the barn-dances, which were the feature, being very much appreciated. Keep it up, '10.

'08 RADIC DANCE.

Once more the Radical X Club adds its chapter to the history of Armour hops. The time was February 28, 1908; the place was the Waupanseh Club, in truth, a very inviting place; the girl was left to the fellows to choose; and the music was supplied by Benson. The '08 formal was attended by a majority of the present Radics and their friends as well as by a goodly number of the Alumni. The Radical X Club again demonstrated its ability to be "up and doing," when it comes to matters in the social line.



The evening of November 1, 1907, was, from the social point of view, well enjoyed by all loyal Armour men at the South Side Turner Hall. It was the date of the Seventh Annual Freshman Smoker given by the three upper classes to the freshmen.

A summary of the affairs of that evening is as follows:

ATTENDANCEsufficiency	TOBACCOcostly (?)
	JOKESsmoky-sooty
PIPESfanciful	PROGRAMdelightfully inspiring

CLASSES

ALUMNI	too rough	JUNIORSvery original
SENIORS	jentelmen	SOPHOMOREStoo sing-y
	FRESHMEN	very dizzy

In spite of the fact that the rain kept up its constant pattering all evening, the Armourites began to assemble as early as eight o'clock and in a short time the hall was one mass of enthusiastic college fellows topped off with a cloud of smoke. At 9:30 the orchestra opened the program with two excellent selections. Following this came a mandolin solo by Paul Brant, '10, and a vocal solo by F. T. Scott, Jr., '10.

Then came the most inspiring, most attractive, and most original stunt ever carried on by one class. The Vaccine God, A. M. Ellett, clothed in a cloak of black, with arm bared so as to display the results of the treacherous dope, vaccine, was carried around the hall by nine loyal retainers, Harvey, Shedd, McKarahan, Lessel, Dekker, Walther, McMullen, Crane, and Moyses. As the march proceeded the GREAT GOD thundered forth his message:—

Oyez! Oyez! Oyez!
Friends, Romans and countrymen!
Hark to the Vaccine God.
I come to bury Armour,
Not to cure her.
The fuss we raise here tonight
Shall rise forever.
By being good, we are forgot—
So let it be at Armour!
Ovez! Oyez! Oyez!



A double quartet from the Glee Club next entertained the audience with a few good old college songs. Then our old reliable Artie Geist, comedian, appeared on the stage with a cigar in his mouth and his hands in his pockets. As at all times in the past, his wit was received with "vociferous applause" by the assembled followers of the divine goddess, Mirth. Following this came a new feature of Armour smokers, the wrestling matches, resulting as follows:

W. C. Lockwood, '09, vs. E. B. Crane, '09; even break.

G. G. Parry, '08, vs. F. H. Mayes, '09; Mayes, two straight falls.

G. C. Bristol, '10, vs. S. L. Chesley, '10; Chesley, two out of three. C. I. Botteron, '08, vs. E. B. Crane, '09; Botteron, one fall.

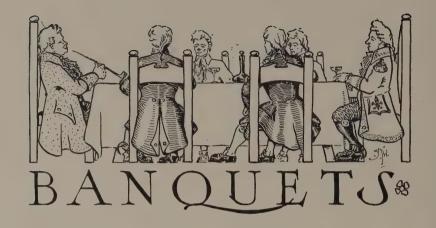
The final number was by Prof. H. C. Coffeen, who has never allowed an Armour Smoker to pass without giving some of his cheese stories. His jokes touched responsive chords in the hearts of his audience and were received with hearty applause. It was during his talk that the Juniors again showed their originality. To the tune of Shakespeare's wedding march, they solemnly marched up the hall, and, with appropriate ceremonies, presented Herr Professor with an elegant springless baby carriage, the inside of which was lined with costly Turkeyred calico.

With the joke supply exhausted, the smoker ended. The committee in charge of this event, which proved even more successful than any of previous years, was headed by M. A. Buehler, '08, A. M. Ellett, '09, and Wm. Hill, '10.

THE ATELIER SMOKERS.

The dining-room of the Art Institute was the scene of much smoke and shaking of hands on the occasion of the Freshman Smoker. The object of the gathering, to establish friendship between the classes throughout the Atelier and to make the new members better acquainted, was well accomplished. Each man was labeled with a card on which his name was written. Massier Ostergren made an address of welcome to the '11 men, assuring them safety and good-fellowship. Hooper, '11, made a return speech which showed the proper sentiment on the part of his class. Prof. Hammond made his presence known by a story which frightened the nymphs to shelter. Schwartz gave a "spiel" from nature, Hagerup sang a solo which demanded an encore, the quartet furnished several selections, and then all the bunch sang in chorus the popular late airs from "After the Ball is Over" down to "The Armour Y. M. C. A." After closing, the bunch, seventy strong, paraded the loop district for an hour, disturbing the quiet of the village with yelling and loud noises.

The second smoker of the Atelier was likewise held in the Art Institute lunch-room. The special features of this evening were "corn cobs" and "college days." The former, together with five times the necessary amount of tobacco, were furnished by the committee, while "Pa" Shattuck furnished the latter in an interesting talk on his experiences in college and his trip abroad. Our college scrapes are *nil* as compared to those he slid through. The old standby, Mr. Hagerup, the Atelier quartet, and the Friedman brothers helped to enliven the evening. Refreshments in the form of "Redhots" and coffee were set out, so that all might satisfy the inner man. The usual promenade about the loop district ended up the festivities of the evening.



THE '08 JUNIOR BANQUET.

On Wednesday night of the second Junior Week, the Class of '08 banqueted at Vogelsangs.

Besides all the members of the class, there were present Deans Raymond and Monin, who responded to toasts, and helped to pass away the pleasant evening. A. A. Dittmar, the toastmaster, also called upon each member of the class to respond to a toast or tell a story, and very few passed up the opportunity to make themselves heard. The feed was not all that was expected, and by the time the bunch left, the table was stripped bare of its dishes and furnishings. Notwithstanding this, a most pleasant evening was spent, and if there had not been something else doing on the following night, they would have had another banquet.

THE '07 SENIOR BANQUET.

The parting banquet of the Class of 1907 took place at the Bismarck on Monday evening, June 10, 1907. The hall was decorated in the class colors—scarlet and blue. Before the banquet proper began, the men assembled around the lone table held their last class-meeting, and had reports from all the class officers. At the close of the banquet, Clarence U. Smith presided as toastmaster and called for a number of toasts from members of the class.

After this, the various '07 numerals which decorated the room were auctioned off as souvenirs by Artie Geist. About forty dollars was thus realized, which amount was added to the refreshment fund. When the members of the class finally departed, they were well pleased that the last banquet of the class which had been together for so long should have been so successful.



THE ALUMNI BANQUET.

The Alumni of Armour Institute of Technology held their June Banquet on June 8 at the Chicago Beach Hotel, and received into membership the Class of 1907. The president of the association, Mr. R. H. Rice, presided as master of ceremonies, and delivered the welcoming address to the incoming members. A response to this was made by H. Ralph Badger. Toasts were given by Deans Raymond and Monin, and by President Gunsaulus.

THE RADIC BANQUET.

The Radical X Club held their freshman initiation banquet at the Boston Oyster House on December 7, 1907. There were over fifty members present around the long table in the Green Room when the feed started. Several of the charter members of the club were present, and they all told of the early Radic days when the club was in its infancy, and when the members yearly gave a play which was one of the big events of the college year. Every man present was called upon for a talk, and the responses by the freshmen members were especially good. The Radical X formal dance was discussed and planned out and other business pertaining to the club was attended to. The banquet itself was in the regulation thirteen courses, and was well appreciated by the enthusiastic Radics. After the banquet, a number of bowling matches were played.

THE ATELIER BANQUETS.

The men of the Atelier enjoyed the time of their lives at the Hotel Welling-

ton the evening of March 13th, 1908.

This was the occasion of their third annual banquet, a much-looked-forward-to-event, and the most satisfactory and successful on record. The select speakers, Dean H. M. Raymond, Profs. T. E. Tallmadge and C. H. Hammond, and Mr. Ralph Holmes of the Art Institute, with Prof. Shattuck as toastmaster, proved themselves worthy of any audience. The sentiment of the students was that they got more "real" education from their professors in that one evening than they could get at school in a year. The usual Atelier program was heard with much loud applause. The presence of alumni of the Atelier added life to the occasion. The fact that the banquet was on Friday the thirteenth seemed only to add to the general feeling of good-fellowship and self-satisfaction.

THE ARMOUR BRANCH A. I. E. E. BANQUET.

The Armour Branch of the A. I. E. E. held their first annual banquet Nov. 22, 1907, at Tom Jones'. Seventeen student members gathered around the board with Profs. Radtke, Freeman, and Snow as guests. A very original menu in the form of an instruction sheet for an electrical experiment was prepared by Mr. T. W. Simpson. Mr. T. C. Oehne, Jr., as master of ceremonies called upon all present for short speeches. Jacobson, as usual, proved to be a veritable fountain of wit (?). The affair was voted a success by all present, and great credit is due the banquet committee of Nicols, Grant, and Simpson.



April 8, 1907. Dr. Booker T. Washington-Talk on "The Solution of the Race Problem."

April 18, 1907. Rev. Charles Spurgeon, of London, Eng.—"Popular Follies and Foolish Mistakes."

April 29, 1907. Mr. Arthur P. Davis, Chief Engineer, U. S. Reclamation Service—"The Work of the Reclamation Service in the West."

May 17 and 24, 1907. Dr. F. W. Gunsaulus-"William Ewart Gladstone."

Sept. 25, 1907. Dr. F. W. Gunsaulus-"Address of Welcome to 1910."

Nov. 1, 1907. Mr. Charles W. Clark, Baritone-Song Recital.

Nov. 27, 1907. Mr. C. Jordan, Lecturer-"The Man the World Wants."

Dec. 20, 1907. Dr. F. W. Gunsaulus-"John Whittier."

Feb. 11, 1908. Dr. Emil Hirsch-"Abraham Lincoln."

March 13, 1908. Dr. Frank Speaight, London-Reading, "The Pickwick Papers."

March 19, 1908. Hon. William Jennings Bryan, Nebraska-"Faith."



During the first week of the first semester, the Freshman and Sophomore classes held numerous secret meetings. It will never be known how many spies from one class butted into the meetings of the others, but it is certain that there were enough plots and counterplots to cause two whole French revolutions.

The Freshies drew first blood. On Sunday night, before the great rush, some enterprising laddies climbed the high pole of the main building and there tied an '11 flag. The Sophs and *Prof.* Little were the only ones sore about it, and it took the bunch about half a day to get it down, while Prof. McFarland from a window in Machinery Hall figured the safe load for a fire escape.

There was nothing more doing until the evening, when a gentle fall of rain cooled things off somewhat and made a dry bed look pretty good to timid freshies. Outside of a few captures of straggling freshmen, the big Soph bunch paraded the streets for nothing and as it rained off and on there was plenty of happiness in Cole's camp. Early in the morning there was a clash in front of the Y. M. C. A. where it was rumored that it took the whole bunch to tie Kiley. The story further goes that Kiley had dumped a paint-pot over Lawson. Anyway, what they did to Kiley was a plenty, and Lawson didn't show up the next day.

In the early dawn of Freshmen Tuesday, posters and paint were showing up pretty well. There were also a few Freshmen tied to the trees on the campus about the Mission, but these were released when the Freshmen came in sight. After a good scrap around the tower, the mighty Cole, '10, went out after a Freshman pennant on the wires near the signal tower, tore it loose, and put up one of his own make. There was a joyous rough-house in the road over the falling banner and soon after, the Soph pennant was cut loose. Moyses, '09, gently requested two guileless Sophs to let him take care of this banner. They did and it was later raffled off to help the Junior class treasury, much to the chagrin of the class of 1910.

After these preliminary canters, the bunch moved to Ogden Field, and got down to business. The Sophs were tired after their night out, and the Freshmen were, as always, fresh. The Sophs were shoved around quite a little at first. Then the Juniors and Seniors got busy, and things developed into a good respectable rush. When everybody was good and tired, the matter was declared a tie, and another Freshman Tuesday passed down to history.



First, A. Buehler Sec.

CLASS OF 1908
MARSHALS
Second, J. S. TOWNSEND
SUB-MARSHALS
A. W. EATON

Third, E. W. Adams

A. A. DITTMAR

A. J. EBNER

E. E. Andrews A. R. Webb

The second annual Junior Week of Armour Institute of Technology started off with a rush on Monday, May 13, 1907. The opening event was an assembly at which Dr. Dwight Hillis delivered an address on Oliver Cromwell. This talk, in conjunction with the bright spring weather, imbued all with a real Junior Week spirit, which is so necessary for the success of such an event. On this opening day, the Camera Club put on exhibition in the main hallway a number of specimens of its work, to remain during the rest of the week.



On Tuesday evening the Mock Trial, the big event of the week, was presented in Assembly Hall. In this case of "'o8 vs. Math," it was clearly shown that Math had killed College Life. The former was found guilty of murder in "the first, second, and third degrees," and was sentenced "to be burned at the stake, hanged about the neck until dead, and cremated."

The opening scene of the trial was that of a court room filled with reporters, attorneys and other parties interested in the case. Upon the arrival of Judge Dittmar, order was called, and the bailiff brought forth ten jurors who had been accepted at a previous hearing. All present were quite agreeably surprised to find that our president, Dr. Gunsaulus and his esteemed friend, Mr. Iott, were members of the worthy





The Court Officials

jury. A barber was subpoenaed for the trial, but was not accepted, as he was too much of a math shark. He was asked to find the impact caused by the collision of two bodies. By means of some chalk and a slip-stick, he soon found the answer to be "two divided by nothing."

The witnesses, Miss Anne Thusiasm, Dr. Paralleopippiggonne, and others gave very interesting testimony. That of the doctor consisted of a very learned discourse on brain fever, which caused considerable amusement. During the trial, one of the

jurors received a cablegram from Sweden which read, "Come home quick. Baby cutting teeth." Through fear of his wife, he insisted on leaving immediately, but the judge refused him this privilege. Attorney Busse displayed some of his poor training by climbing over the court furniture. Montana Bill, one of the jurors, kept the panel as well as the whole court in a constant turmoil, especially when Wilber invited him to have a highball.

On Wednesday evening, the Juniors had their class banquet at Vogelsangs. The boys enjoyed the presence of Deans Raymond and Monin, who left sufficiently early. The feed was excellent, but it ended in all of the fellows

becoming "Arsheteeks".

Volume Nine of the Integral was to have been distributed on Thursday, but on account of unavoidable delays, "caused by the printers", it was not ready for the occasion. The 'o8 Faculty baseball game was not played owing to the rainy weather.

Friday morning Dr. Gunsaulus addressed an assembly on "William Ewart Gladstone, the Orator". His talk was thoroughly enjoyed by a crowded hall.

Friday night witnessed the Junior Dance at the Lakeside. The customary social success crowned the evening. Ballou's orchestra, a hundred and forty couples, and good weather, all helped in the enjoyment of the evening.

Saturday night marked the close of the festivities with a visit to White City. The crowd invaded many of the attractions, and always succeeded in making their presence known. A freshman in a "nightie" provided special amusement, and attracted large gatherings along the line of march.

Thus ended the Second Junior Week, the successful carrying-out of which insured the permanency of the event as a main part of the social life of the

Institute.





THE CLASS OF 1907

Saturday, June 8, 1907-

Alumni Banquet at Chicago Beach Hotel.

Sunday, June 9, 1907-

Morning-Baccalaureate Sermon in the Auditorium by Dr. F. W. Gunsaulus,

Monday, June 10, 1907-

Evening—Senior Banquet at the "Bismarck." Room elaborately decorated in Scarlet and Blue. Last business meeting of the class held during the first courses of the rousing banquet.

Tuesday, June 11, 1907-

Evening—President and Faculty Reception to the Seniors and their ladies in the Library. Musical program. Address by the President, Refreshments in the Refectory.

Wednesday, June 12, 1907-

Senior Trip to South Haven. Left in the forenoon. Back next morning. Grand Time.

Thursday, June 13, 1907-

Evening-Eleventh Annual Commencement of the College.



PROGRAM OF EXERCISES

Organ . Selected

Mr. Bertram Smith Weber

PROCESSIONAL

Quartette Vocal Selections

Mrs. Anna B. Northrop Mrs. Emma B. Hodge

Mr. Calvin C. Cox Mr. George H. Iott

PRAYER

Professor William A. Colledge, D. D.

Vocal Solo Selected

Mr. Daniel Protheroe

THE ANNUAL COLLEGE ADDRESS

MR. BION J. ARNOLD

Consulting Engineer, Chicago

Quartette Selected

THE COMPTROLLER'S ANNUAL REPORT

CONFERRING OF DEGREES

BENEDICTION

RECESSIONAL

Friday, June 14, 1907-

Morning-Dedication of Memorial Stone Seat on Ogden Field to "The Class of 1907."









Athletics

The past year has been the most successful in the college athletics, although it is merely following out the gradual development which started with the dedication of Ogden Field. "Athletics have meant more to the athletes themselves, more to the student body, and more to the institute as a whole" than at any other time in the history of the school. The teams that have been played have been of a better class, and it seems as if the old problem of getting good results out of a school where the men have but little time aside from studies is much nearer a solution.

Most of the interclass games were too one sided to get up the proper amount of interest, but the bowling and tennis tournaments aroused quite a latent cooperation among the men. The loss of football is now no longer regretted except in an occasional Fulcrum editorial, for the men can see that with the money which was spent on the up-keep of a team for which there was no time to practice, it is now possible to equip other teams which can be far more successful.

The track never had a better season than the spring of 1907, although the scores would not indicate that fact to one who did not know of the previous standing of the team. With the increased prestige of our baseball teams, however, the thought has come to many men that we should concentrate more of our attention upon this branch of athletics. Technical schools must of necessity devote less time to athletics than universities devote, and the plan of supporting that branch which seems most likely to thrive has been generally adopted. We have not the gymnasium required for track and basket-ball, and besides that, these sports are not as interesting to the average student as baseball. Probably the majority of the men would be more satisfied if they could see a few really good baseball games instead of seeing during the year a number of only fair track meets and basket and baseball games.

WEARERS OF THE



Base Ball

Fey -	'09	Niestadt	109
Gilmore	'08	Smith -	
McAuley	'09	Trinkaus	'08
Ahern	'09	Deveney	109
Iens -	'10	Urson -	

Track

Crabbs '08 Hotehkin '08 Trinkaus '08 Stadeker '09 McKarahan '09 Fitch - - '09

Basket Ball

Beckman '09 Uhlendorf '08 Johnson '09 Urson '09 Trinkaus '08 Eliel - '11





President, L. C. Monin Secretary, W. Trinkaus, Jr. Treasurer, F. U. Smith

Members

FACULTY REPRESENTATIVE FROM COLLEGE C. W. Leigh

FACULTY REPRESENTATIVE FROM ACADEMY H. C. Coffeen

STUDENT REPRESENTATIVES FROM COLLEGE
ELMER V. McKarahan William Trinkaus, Jr.

STUDENT REPRESENTATIVES FROM ACADEMY

M. Anderson "

Н. А. Вавсоск

MEMBERS EX-OFFICIIS

L. C. Monin H. B. Thomas

F. U. SMITH H. M. RAYMOND





Captain	. Coach	Manager
B. F. McAuley, '09	W. K. Smart	С. U. Smith, '07
	THE TEAM	
Members H. C. SMITH WM. TRINKAUS, JR. B. F. McAuley F. A. Niestadt W. J. Deveney J. F. Ahern T. J. Urson, Jr. W. Fey W. G. Jens	Class 1909 1908 1909 1909 1909 1909 1909 1908 1909 1910	Position Catcher Pitcher and First Base First Base and Pitcher Second Base Third Base Short Stop Left Field Center Field Right Field
	Substitutes	
J. F. Matthews, Jr. C. C. Lemmon	1907 1909	Field Field

SCHEDULE OF GAMES PLAYED.

Da	te	Opponent .	Place	Score	Won Bv
March	29	University of Chicago	Marshall Field	3-1	U. of C.
March	30	Physician's and Surgeon's College	Ogden Field	5-7	A. I. T.
April	18	Physician's and Surgeon's College	Ogden Field	2-11	A. I. T.
April	20	Lake Forest College	Ogden Field	4-9	A. I. T.
April	24	U. of C. Freshmen	Ogden Field	4-7	A. I. T.
April	27	Elmhurst College	Ogden Field	4-9	A. I. T.
May	7	U. of C. Freshmen	Ogden Field	3-7	A. I. T.
May	15	Lake Forest College	Ogden Field	3-7	A. I. T.
May	18	Northwestern College	Naperville	3-9	A. I. T.
May	20	Michigan University	Ogden Field	5-1	Mich.
May	25	St. Viateur's College	Kankakee	1-3	A. I. T.
May	29	Minnesota University	Ogden Field	3-2	Minn.
June	1	Rose Polytechnic Institute	Terre Haute	Rained	





The baseball team in the spring of 1907 was probably the strongest one that the College has ever had. Carr, Strube, and Harrington, who had graduated the spring before, and Howard, '09, were the only members of the team of 1906 who did not report for the tryout in March, and their places were well filled by Ahern, Deveny, and Lemmon, '09, Jens, '10, and Matthews, '07. This squad of 12 men started in on practice as early as they could, and kept together as a team until the last game had been played.

Coach Smart

THE COLLEGE BASEBALL TEAM 1907



Smart Ahern

Niestadt Urson

Jens Smith, H. C

Lemmon Smith, C. U. McAuley Deveney

Trinkaus





The General Manager of Athletics

Armour won nine games, and was defeated but three times—by the teams of the universities of Chicago, Michigan, and Minnesota, and then by scores which were not in the least discreditable. The Chicago game was played before either team had had much practice, and every man on the tech squad was given a chance to try his hand.

At the Michigan game there was one of the largest crowds that has ever been on Ogden Field. On the whole, Trinkhaus out-pitched the Michigan twirler, allowing but six hits and striking out ten men. The six hits, however, were so well bunched as to bring in four Wolverines in one inning.



At the Michigan Game

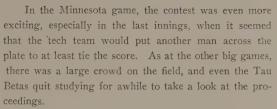




W. TRINKAUS, Jr. The Demon Pitcher



W. FEY The Demon Fielder



The season's work gave baseball the recognized leadership of college sport at Armour. With the increased standing of the team has come greater recognition by the larger colleges of the west, and it is thought that the coming schedule will include contests with many of the best college teams in this section of the country.



H. C. SMITH The Demon Catcher





B. F. McAuley, Captain for 1907

The prospects for a good team for the coming season could not be brighter, for not a single one of the regular team of last year will be out of the game, and it is expected that good material will be found in the freshman class. If Coach Smart can get together a team which will defeat his *Alma Mater*, the University of Chicago, then will he feel that his work with tech teams has been eminently successful.

Almost Out



The Minnesota Game



The Annual Senior Faculty Game

After several postponements, the annual Senior-Faculty baseball game was played off on June 11, 1907. Among those missing from former faculty lineups was "Pat" Crow, whose position in the box was taken by Jacobson. On account of the soggy condition of the field, and the one-sidedness of the game, it was not particularly interesting, the Seniors finally winning out by a score of 12 to 3. One of the features of the game was Jacobson's slide. He stuck in the mud and left an impression that remained for several months. The character of the liquid refreshments at hand seemed to interfere with Libby's playing. Here is the line-up:

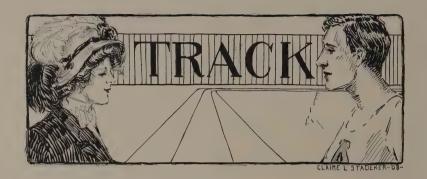


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Catcher Leigh

Position	Seniors
Pitcher	Laubach
Catcher	Sigwalt
First Base	Kilgore
Second Base	Dreffein
Third Base	Gilmore
Short-stop	Mathewa
Right Field	Henning
Center Field	Bochman
Left Field	Wachs
	Pitcher Catcher First Base Second Base Third Base Short-stop Right Field Center Field



TRACK.

CAPTAIN E. H. Ellett, Jr., '07 MANAGER
Austin Crabbs, '08

COACH HARRY McCormack

THE TEAM

E. H. Ellett, '07Broad Jump and High Jump
E. V. McKarahan, '09
E. Hotchkin; '08Low Hurdles
G. I. Stadeker, '09
O. R. Benson, '09Broad Jump and Weight Events
F. E. ParkinsMile
J. E. Fitch, '09
O. R. Kellner, '10
J. S. HarveyHundred-yard Dash
H. R. Badger

THE SCHEDULE OF MEETS.

Date	Opponents	Place	Score	Winner
April 27	Lewis Institute	Ogden Field	56-24	Lewis
May 4	Lake Forest College	Lake Forest	50-54	A. I. T.
May 11	Northwestern College	Naperville	75-41	N. W. Coll.
May 17	Michigan Ag. College	Lansing	82-35	Mich. Ag.
May 25	U. of C. Freshmen	Ogden Field	79-29	Freshmen
June 1	Monmouth, Knox and Us	Ogden Field	49-33-35	Monmouth





McKarahan, Captain, 1908

The college track team won but one out of five meets, and took but a second place in the triangular meet, but this record was very good considering the number of men on the team and the interest taken by the student body as a whole. Except in the Lake Forest meet, where Armour won with a score of 54 to 50, the scores made by the team were very consistent, being 24, 35, 29, 35, and 41, a comparison which goes to show that the members won the events for which each was suited with great regularity. The team, of



Parkins

Kellner McKarahan

Crabbs Ellett Hotchkin

Edwards Harvey

McCormack Heim Stadeker





Some Feet Which Belong to Stadeker

course, was at a disadvantage owing to the fact that it had practically no entries in mile, ½-mile, pole-vault, high hurdles, discus, and hammer throws, and to the fact that most of the other events were not represented by more than one man, so that some second and third places could be gotten. That the few men out did their duty and did it well is shown by the fact that they secured more first places than second or third places.

The majority of the students were inclined to look upon the team more as a nucleus from



Watching the Meet





which a good team could be formed in the future than as a failure in the past, and are ready to support it with increasing loyalty. Ellett is the only one of the team lost by graduation, and with a number of last year's academy track team, together with a larger number of freshmen and sophomores interested in track work than have ever been at Armour before, we are confident that the coming spring will see the best track team wearing the yellow and black that has ever been gathered at A. I. T.

T . F. Cornell, Instructor in the Gymnasium



Hotchkin



Fitch



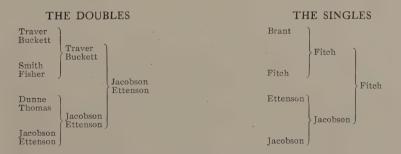
A Summary of Points Gained in Each Meet

месt	Lewis	Fores Lake			ul- Fresi	h- Triar	
100-yard Dash	3	5	3	5	3	5	4
220-yard Dash	5	5	- 3	3	. 3	5	4
440-yard Dash	0	3	I	3	I	3	. 2
880-yard Run	3	5	I	0	5	I	2.5
Mile Run	0	0	I	1	0	I	0.5
120-yard Hurdles		3	5	ľ	3	·	2.6
220-yard Hurdles		. 3	. 3	6	5	5	4.4
Broad Jump	0	8	3	6	4	6	5.4
High Jump	4	2	8	8	6	5	. 7
Pole Vault	0	0	0				0
Shot Put	5	. 8	. 4	3	. 0	3	4
Discus		` 3	5	0	. 0	I	1.5
Hammer Throw		3	4	1	• • ′	0	2
Score5	6-24	50-54	75-41	82-35	79-29	49-33-35	64-36





Increasing interest is being shown in the tennis tournaments. Last spring there were thirty-six single and twelve double matches arranged, many of them being very interesting contests. Fitch disposed of all opponents in the singles, and the Jacobson-Ettenson combination proved too much for the other entries in the doubles. Through the kindness of several firms many valuable prizes were offered to the winners. The one prevailing thought among the devotees of tennis at present is that tennis courts will be laid out on Ogden Field so that greater interest may be aroused in this fascinating branch of athletics. Below is given the standing after several rounds had been played off.







CAPTAIN Wm. Trinkaus, '08 MANAGER
W. F. Conlin, '09

COACH T. F. Cornell

THE TEAM

F. J. Urson, '08Right Forward
R. L. ELIEL, '10Left Forward
R. W. Johnson, '09Center
H. E. BECKMAN, '09Left Guard
WM, TRINKAUS, '08Right Guard

THE SUBSTITUTES

H. L. CHENEY, '11Ce	nter
E. Vynne, '10Forv	vard
S. Levitan, '09Forw	vard
J. L. Hamsher, '11Forv	vard
M. Kallis, '10Gi	ard

THE GAMES

Date	Opponent	Place	Score	Won by
Nov. 22	Hamilton Park	Armour	11-69	Armour
Dec. 2	Fine Arts Academy	Armour	11-59	Armour
Dec. 7	Central Y. M. C. A.	Central	45-24	Central
Dec. 14	Wheaton College	Wheaton	32-18	Wheaton
Dec. 20	Northwestern College	Armour	22-23	Armour
Jan. 10	Central Cardinals	Armour	43-34	Cardinals
Jan. 17	Lake Forest	Armour .	18-28	Armour
Feb. 7	Adrian College	Armour	16-46	Armour
Feb. 14	Beloit College	Armour.	24-14	Beloit
Feb. 19	Lewis Institute	Lewis	11-12	Armour
Feb. 22	Northwestern College	Naperville	23-12	Northwestern
Feb. 28	Michigan Ag. College	Armour	26-29	Armour
Mar. 4	Wheaton College	Armour	37-47	Armour
Mar. 7	Beloit College	Beloit	30-16	Beloit
Mar. 13	Lewis Institute	Armour	12-26	Armour

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The basketball team this year was one of the most successful teams the "Tech" ever had. The winning of nine out of fifteen games, considering the caliber of the teams played, is not a bad record. The only college game lost on our own floor was to Beloit, and then the college rules certainly handicapped the boys. The team defeated Lewis Institute on their own floor this year for the first time in four years. Not any of the defeats that the team figured in were overwhelming. Taking them all together they were a good fighting team and always "on the job."

Of the old men Captain Trinkaus, Urson, Johnson, and Beckman were back. Eliel, a sophomore, made the fifth place. The team was fortunate this year in not losing any of its men on account of injuries. The above five played nearly every minute of the schedule. Each man had his turn at being the star and hero of the hour, but to the Captain is due the most homage. At times when defeat



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looked certain he would play like a veteran and shoot baskets from any distance and at any angle. In throwing fouls he was without a peer. In the 176 chances he had he made 105 goals. Trinkaus played his last basket ball game at Armour on March 13 when he helped defeat Lewis Institute for the second time this year. The substitutes, Cheney, Vynne, Kallis, Hamsher, and Levitan did not get much of a chance to show their worth, but when they did, their playing was first-class. Cheney, a Freshman, proved to be a good help to Johnson at center.

With all of this year's men back except Trinkaus a strong team is the outlook for next year. Beckman, '09, was elected captain for next season.

STATISTICS.

Games	played	15
Games	won	9
Games	lost	6
Percen	tage	60.0
Points	scored by team	457
Points	scored by opponents	361

FIELD GOALS.

Johnson								ď					÷	45
Beckman			۰						۰					43
Eliel											۰		é	30
Trinkaus														
Urson		۰		۰								٠	÷	27
Cheney .														3

In the past seven years Armour has played Lewis 14 games. Of these we have won 7, lost 6, and tied one.



The Interclass Basebal! Games in the fall of 1907 were rather too one sided to stir up the usual amount of interest among the college men generally. The Juniors, playing with six men of last year's tech team, had things their own way, and stood in no danger of losing a single game. The winning team was composed of Johnson, McAuley, Smith, Fey, Deveney, Ahern, Niestadt, McMullen, Conlin, and Bexton. The following is a schedule of the games:

Date	Opponents	Score	Won By
Sept. 25	'08 vs. '09	1-6	'09
Sept. 30	'08 vs. '11 .	11-7	'08
Oct. 2	'08 vs. '10	6-2	'08
Oct. 5	'09 vs. '10	7-1	'09
Oct. 10	' 08 vs. '09	0-5	'09

The Juniors also had a walkover in basketball, winning easily every game they played. The worst scare they received was when the Sophs managed to score nine points against their seventeen. The list of games shows how easily the '09 bunch composed of Conlin, Levitan, Johnson, Moyses, and Beckman, defeated their adversaries.

Date	Opponents	Score	Won By
Oct. 1	'08 vs. '10	Default	'10
Oct. 2	'08 vs. '09	Default	'09
Oct. 3	'09 vs. '11	45-5	'09
Oct. 7	'09 vs. '10	17-9	'09
Oct. 9	'08 vs. '09	5-35	'09

The fall interclass meet turned out to be something of a fizzle. In the first place, the weather was too cold for many of the best men and, besides, no one had taken hold of things to stir up the proper interest among the classes. The audience was very slim indeed. The Sophomores had things their own way, the final score being: Sophomores, 51; Freshmen, 13; Academy, 10. Every man who participated in the meet managed to get at least one point. No Juniors or Seniors participated. Very few men care about track work in the fall, and it seems as if it would be best to limit all track meets to the spring.



THE COLLEGE TOURNAMENT

MANAGER A. C. RIKER

CLASS MANAGERS

1911

E. J. Schmidt

1908

A. J. Ebner	A. C. Riker	F. E. Gentry	L. D. Kiley
	THE	TEAMS	
1908	1909	1910	1911
A. J. Ebner Wm. Trinkaus, Jr.	H. E. Moyses E. V. McKarahan	W. J. Neville W. G. Jens	L. D. Kiley W. L. Moore
F. J. Urson, Jr.	H. C. Smith	H. J. Rogers	P. F. Miller
G. J. Meyer	E. B. Crane	H. J. Moore	F. Koestner
W. E. Holmes	A. C. Riker	F. E. Gentry	R. E. Strawbridge
G C Burge		G. A. Shafer	H P Langstaff

On account of the delay in getting the teams together, the Annual Inter-Class Bowling Tournament was a little late in starting, and at the start not a great deal of interest was shown. But after a few games had been rolled, the interest of the student body was aroused and made itself manifest until after the last game was rolled.

This year, as well as the two years previous, the '09 team showed their strength in the bowling line, and for the third time in three years carried off the honors. But it was by no means a runaway for the Juniors. The final series between the '08 and the '09 teams was the series which decided which team was the victor. The '09 team needed one game to win and this game was wrested from the '08 team after hard bowling and a close finish. The 1910 team finished third and the 1911 team last.

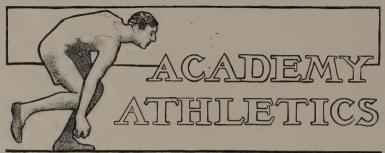
The average game this year was slightly below that of last year. As usual, Riker, '09, led with high average, and Crane, '09, Burge, '08, and Trinkaus, '08, were tied for second place.

The poor showing of the Freshmen team was due mainly to their late start, but with the material there is in the class, a good representative team should be put on the alleys next year.



THE JUNIOR TEAM Smith, Crane, Riker, McKarahan, Moyses.

		STANDI	NG OF THE	TEAMS		
Team '09 '08 '10 '11	'09 3 3 1	'08 6 3 1	'10 6 6	'11 8 8 8	Won 20 17 14 3	%c .740 .630 .518 .111
Lost	7	10	13	24		
			SUMMARY			
Team '08 '08 '10 '11	Won 20 17 14 3	Lost 7 10 13 24	% .740 .630 .518 .111	High Game 854 807 815 • 752	Low Game 666 572 607 554	Average 762 733 713 638
		INDIV	IDUAL AVEF	RAGES		
Name Riker, '09 Crane, '09 Burge, '08 Trinkaus, '08 Gentry, '10 Meyer, '08 Moyses, '09 Neville, '10 Jens, '10 McKarahan, '08 Ebner, '08		nes 17	High 216 174 177 190 242 193 208 175 200 188 184 166	Low 131 115 122 112 93 103 115 114 116 113 110 98	High Series 193 166 164 165 189 178 163 162 163 160 154 155	Ave. 176 154 154 153 148 148 147 146 145 142
			200 SCORES			
Riker,'09—202 Gentry, '10—24			Jens, '10—200. Moyses, '09—20	08.	Koestner, Schmidt,	'11—202. '11—215.



Bonney Royal.

ACADEMY BASKET BALL

CAPTAIN F. C. KOESTNER COACH

T. F. CORNELL.

MANAGERS J. A. Lyons

J. K. Mabbs

THE TEAM

F. C. Koestner, Forward	J. L. Hales, Guard
J. A. Lyons, Forward	R. E. Burr, Forward
J. K. Mabbs, Center .	C. Wares, Guard
A. B. Beach, Guard	M. Peiser, Forward

THE GAMES

Nov. 13, '07	Armour Academy42	Englewood H. S28
Nov. 21, '07	Armour Academy75	Calumet H. S21
Dec. 2, '07	Armour Academy10	Wendell Phillips H. S10
Dec. 6, '07	Armour Academy50	Joliet H. S27
Dec. 12, '07	Armour Academy36	Austin H. S30
Dec. 13, '07	Armour Academy60	Morgan Park H. S 7
Dec. 20, '07	Armour Academy30	Normal School14
Jan. 10, '08	Armour Academy28	Waukegan H. S29
Jan. 17, '08	Armour Academy64	Joliet H. S
Jan. 22, '08	Armour Academy73	Clyde H. S
Feb. 5, '08	Armour Academy24	Northwestern Academy44
Feb. 14, '08	Armour Academy26	Clyde H. S
Feb. 26, '08	Armour Academy12	Morgan Park Academy17
Feb. 29, '08	Armour Academy23	Northwestern Academy31
Mar. 4, '08	Armour Academy22	Morgan Park Academy62
Mar. 7, '08		Lake Forest Academy53
Mar. 9, '08	Armour Academy28	Lake Forest Academy23



The Academy team was quite successful this year, winning eleven out of seventeen games. Captain Koestner and Lyons were the only old men back, but plenty of new material was on hand, and with the efforts of Coach Cornell a winning team was turned out. Koestner and Mabbs proved to be quite a scoring machine. The guards, Beach, Hales and Wares, certainly were stars and made trouble for their opponents. Lyons, Burr, and Peiser each starred in their turn and showed themselves to be good running mates to the captain. The team has a point to their credit for every minute of play during the season.





Academy Baseball

Spring of '07

CAPTAIN GEORGE W. ABEL MANAGER
RICHARD DUNNE

COACH C. W. Leigh

THE TEAM

Members	Class	Position
W. J. Corboy	1908	Catcher
W. A. Torrey	1907	Pitcher
G. F. THOMAS	1908	First Base
G. W. Abel	1907	Second Bas
F. C. Koestner	1907	Third Base
R. Dunne	1907	Short-stop
C. A. Baumberger	1908	Outfield
EDWARD FENN	1908	Outfield
H. Freund	1908	Outfield

SCHEDULE OF GAMES PLAYED

Date	Opponent	Place	Score	Won by
Apr. 13	R. T. Crane High School	Ogden Field	5-8	Armour
Apr. 17	University High	Ogden Field	2-7	Armour
Apr. 20	St. Vincent's Academy	St. Vincent	7-9	Armour
Apr. 24	Chicago Latin School	Ogden Field	2-15	Armour
Apr. 27	Northwestern Academy	Ogden Field	8-2	N. W. A.
May 1	Morgan Park Academy	Morgan Park	1-3	Armour
May 4	La Grange Academy	La Grange	2-16	Armour
May 8	Hyde Park High School	Ogden Field	4-5	Armour
May 11	Lake Forest Academy	Ogden Field	10-11	Armour
May 18	Morgan Park Academy	Ogden Field	18-9	M. P. A.
May 25	Lake Forest Academy	Lake Forest	18-2	Armour
June 1	Northwestern Academy	Evanston	4-2	N. W. A.
June 5	Oak Park High School	Ogden Field	3-4	Armour



COACH . JOHN E. LIND

R. L. Langford
A. Webster
M. Wald
M. Anderson
S. Smithson
R. W. Banbury
C. E. Fizette
G. Vigeant
W. W. Waldron
A. F. Holden
D. Admiral
A. White
S. F. Heitz
P. A. Hutching

ACADEMY TRACK

MANAGER DONALD ADMIRAL

THE TEAM

Dashes and Relay Team Dashes and Relay Team 50-yard Dash

50-yard Hurdles, Shot-put, and Relay Team 50-yard Hurdles 120-yard Dash, High Jump, and Relay Team 440-yard Run

440-yard Run and Relay Team

880-yard Run 880-yard Run and Mile Run

880-yard Run High Jump Mile Run Shot Put

SCEDULE OF MEETS

Date Feb. 1, '08 Feb. 8, '08 Feb. 29, '08 Mar. 14, '08

Opponents Englewood High School
Lake View High School
Calumet High School
R. T. Crane Manual

Points 55-13 28-40 16-52 Forfeit

Won By Englewood Armour Armour Armour



Israel

Holden Wald Banburry White Waldron Admiral Smithson Lind Anderson Vigeant Langford

Boylston Hertz Webster Smith



THE ALL EDITOR





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GEORGE ALBERT ANDERSON ORVILLE THOMAS BRIGHT, JR.

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The aim of The Integral Board in editing this Book of the Class of 1909 has been not only to produce a complete record of the school events of the past year, but to put this record together in as attractive a manner as possible. We realize that our book has come far from our ambitions, but we sincerely hope that our efforts will be credited "for the will and not the deed."

To compile this annual has cost us many an hour of good hard work, but it has been a constant pleasure; and unlike the editors of previous Integrals, The Integral Board can say that it is not sorry that it attempted the task. Perhaps no other class at Armour in recent years has given to its editors the hearty support which has been given by the Class of 1909. Its men have been with us, and by constant help in the office and about the school have made it possible for the five men on the Board to keep up their class work as well as to edit the book.

It seems that there is a new spirit arising among the students and faculty, and the past year has witnessed more cooperation than has been evident for several years. Such a tone can not help but make our school life more pleasant, and by doing this, it will increase the effectiveness of our teaching. This new spirit is probably due to the Chapin and Engineering Clubs which have brought the men into closer contact with each other and with their instructors. May these signs of renewed school spirit continue to increase until the old-time friendship between student and student and student and instructor is completely restored.



Hills Smith, E. J. Bright Walther Harve Smith, M. A. Monahan Buskett Lawson Anderson Grassby Youngberg Shedd



To Mr. Thomas Wood Stevens, A. I. T., 'or, the Instructor in Illustration at the Art Institute of Chicago, we wish to give our sincere thanks for his untiring efforts in securing for us the majority of the illustrations of this book. We are very much indebted to the following artists for their excellent drawings:

Earl F. Miller, '09
Arthur C. Buckett, '09
Ivan Howell, ex-'09
F. T. Egloff, '11
Miss Mattie E. Akeley,
T. Cleaver, '11
Miss Claire I. Stadeker,
Sewall E. Austin, '11
Miss Ingeborge C. Johnson,
Charles A. Sughroe,
Frank H. Dillon,
Fred M. Grant.
Miss Mae F. Gilbert,
Miss Olive Elsworth,
Miss Dorothy Loeb,
Ned Hadley,
Mahlon Moulds,

We wish also to thank those who have in any way helped us during the past year and more especially the following:

Dr. F. W. Gunsaulus,
Dean H. M. Raymond,
Dean L. C. Monin,
Prof. G. L. Scherger,
Mr. F. U. Smith,
Mr. H. G. Clasen,
H. R. Badger, '08
A. G. Wickerham, '08
E. W. Adams, '08
E. H. Stillman, '08
H. E. Beckman, '09
E. B. Crane, '09
H. G. Dekker, '09
H. G. Dekker, '09
H. G. Nenkin, '09
F. A. Niestadt, '09
E. W. MacMullen, '09
F. W. MacMullen, '09
J. J. Daly, '10
H. G. Mahler, '09

The Wallinger Company were the official photographers. The engravings were made by the Dearborn Engraving Co., and the printing and binding was done by the Crown Press.



THE FULCRUM

THE STAFF

Editor-in-Chief EDWIN H. STILLMAN, '08 Managing Editor J. B. Bassett, '09 Business Manager C. Boyle, Jr., '10 Advisory Editor Dr. Colledge Associate Editor H, RALPH BADGER, '08 Alumni D. P. Moreton, '06 Athletics EDWARD E. BOLTE, '10 Miscellaneous NORMAN KIMBALL, '10 Fulcrumettes E. Vynne, '10 EDWARD J. SMITH, '11 Fulcrumettes Art FRANK EGLOFF, '11 Exchange G. D. Letterman, '09

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Ellis E. Andrews, '08 F. W. Briggs, '11 M. C. Lawson, '10

Art Institute Alfred T. Waldo
Academy O. T. Bright



The first volume of the Fulcrum was published under the direction of the class of 1901 in the fall of 1897. Being the originators of this publication and wishing to assure it of success, that same class, as sophomores, edited the second volume and then entrusted it to the succeeding sophomores for the following year. Thus it remained—a sophomore publication—until last spring. Then all of the ex-executives in school met and decided to change it to a college paper, with a senior as editor-in-chief, a junior as managing editor, and a member of any of the three upper classes as business manager. The remainder of the staff may be drawn from the whole college. Thus the paper is not only assured of increased support but it is placed in the hands of more mature executives, who secure their positions through promotion rather than through chance.

The policy to be followed by the Fulcrum each year has been hard to decide upon, each succeeding staff having its own ideas as to subject matter and the manner of presenting the same. This year the aim has been to furnish full "returns" of athletic events, school news, jokes, and a special line of illustrations or cartoons, besides the main articles. Special effort has been made in the way of athletics, jokes, and cartoons based on Armour life, as these features are most interesting to the average college man. Above all, the idea has been to edit a paper of high standard which would do the school justice and at the same time satisfy the students.



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Practically a year has passed since the organization of the Sphinx and the efforts of the board have been very fruitful, considering the conditions under

which a new organization labors.

The Sphinx, whose membership consists of the "workers" for the various college publications, has during the past year effected a permanent organization and proved to the college that more efficient papers can be published and regulated under the present management than has been accomplished heretofore. old class government of the Fulcrum was in its time considered sufficient; but there was too much one man labor and no supervising board to whom monthly reports were made. In short, there was no organization to make the representatives carry out their respective duties. The Fulcrum now makes its reports each month and not only has a very careful watch been kept over the condition of the paper but the class records of the editors and managers have received attention. Thus have we succeeded in issuing the publications without a failure to a staff officer.

For the benefit of those interested in the Sphinx or any of the college papers, the following extract from the rules and regulations will be of advantage:-"Any man in the college who holds actively a position as an executive head, that is, editor-in-chief, managing editor, business manager, or the equivalent of any of these on any recognized student publication, becomes eligible to member-

ship in this organization.

"Further, by unanimous vote of such entitled members, any man who has served for at least one year on any of the publications, but who has not held an executive position on the same, may be elected to membership, but the number of such elected men can never be in excess of half the number of entitled members."

Thus it will be seen that the Sphinx is not only a governing body for the college publications but also an honorary society, to which membership can be obtained only through merit of service on one of the student publications.



Shedd Harvey Dick Ellington 1908

THE SPHINX

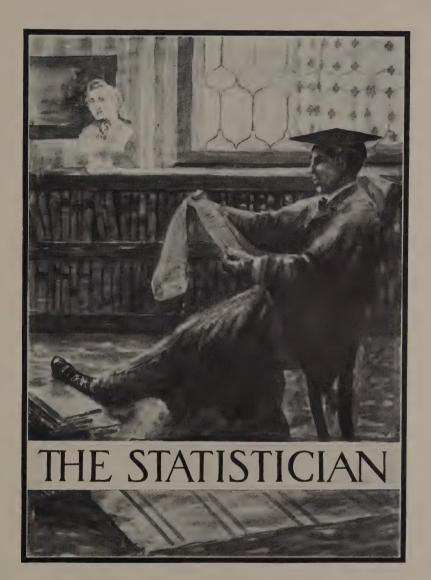
Eyers McKarahan

Crabbs

Stillman Monahan

Boyle Waither







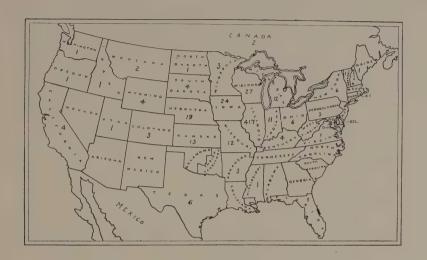
Summary of Attendance

1907-08 COLLEGE

Course	Seniors	Juniors	Sophomores	Freshmen	Special	Total
E. E	19	. 32	.46	77		174
C. E	24	27	44	58		153
M. E	18	24	33	47		122
Ch. E	із	8	8	16		45
Arch	8	. 6	26	55		95
F. P. E	3	3	••	7		13
Special			• •	• •	14	14
Total	85	100	157	260	14	616
		1907-08	ACADEMY	7		
1st Year						
			S S POOLAL	*******		. 7
		1907-0	8 SCHOOL			
Students in the (College of 1	Engineerin	۱ø			. 616
Students in the						
Deduct Names (Counted Ty	vice				. 47

SUMMARY OF INSTRUCTIONAL STAFF

I	904-05	1905-06	1906-07	1907-08
Professors	12	14 .	12	12
Associate Professors	8	12	14	13
Assistant Professors	8	4	10	9
Instructors	27	30	21	30
Assistants	19	24	26	25
Lecturers	21	17	22	20
-				
Total	95	101	105	109



STUDENTS FROM FOREIGN COUNTRIES ATTENDING COLLEGE

Turkey	I	England	I
Russia	2	Phillipine Islands	2
Mexico	I	Austria	I
Canada	2	China	2
Now Zooland			

Nine foreign countries represented by 14 students. Thirty-one states of the United States represented by 602 students. Total in the college, 616.

ATTENDING ACADEMY

Canada		I	Japan	I
China		1	South America	I
	South Africa.		I	

Five foreign countries represented by 5 students. Sixteen states of the United States represented by 287 students. Total in the Academy, 292.



Statistics of the Class of 1909

HE response to the list of questions presented to the members of the Junion class for the purpose of compiling reliable statistics, was prompt and satisfying. The valuable data thus obtained may be summed up as follows:

I. What is your age?

The average age of the men is twenty years and eleven months. One man said he felt as old as Methuselah, but the maximum bona fide age is thirty-four years. Our youngest hopeful numbers nineteen winters.

2. How many scheduled hours of work have you?

The average schedule credits the men with thirty-four hours per week. One poor devil has the nerve to carry forty-two hours, while another, by special dispensation from the Deans, remains at Armour with only eighteen hours listed.

How many hours a day do you study?

A monderful variety of answers were received on this question. One man grinds until 1:00 A. M. Another never studies after dinner because it inter-



feres with his sleep. The average man puts in four hours and twenty-two and a half minutes a day of solid study.

Are you married or have you serious thoughts of the same?

The class can boast of only two married men. There are but five, however, who have no serious thoughts of the same. The remainder are patiently waiting to be made willing victims of Dan Cupid, hoping that the favorable year for marriages among bashful men will aid them.

5. What is your favorite name for a girl?

Somebody else's sister was most popular in this case and Grace received



the largest number of votes, with May, Marion and Margaret tied for second. Among those favorably mentioned were Penoochee, Sapolio and Hephzibah.

6. How many hours per day do you reserve for social life?

Armour is a veritable social center. The answers given vary from blank to "all the time I can get." Those who were more explicit gave from 3 to 46 hours. A math shark, presumably Simpson, figures it out this way:

 $7\times24-5\times8a-7\times2.5b-7\times8c=x$

Where a=school work;

b=car riding;

c=sleep; x=society.

Who is your favorite professor, and why?

7. Who is your favorite projessor, and way:
A careful poll of the votes cast on this question revealed the fact that Professors Wells and Campbell lead the race, with Riggs, MacFarland, Perry, Phillips and Taylor among the "also rans." The most prevalent reason for the



choice given were justice, sarcasm, wit, sincerity, good fellowship, and that important factor of being "easy." Cap Larson received several votes, but since he appealed to the carnal instincts he was declared ineligible.

8. What is your most important ambition?

Wonder of wonders! Several men really are ambitious to some day become engineers. We have a number who desire to become life members of the "sons of rest," while, still more incredible as it may seem to be, some few wish to be considered "just and honest." These latter have been at the Institute for three years, too! Truly, we have a very wonderful class! The remaining votes were divided among the police force and fire department (turned in by a number of fire protects, no doubt). A number, including "Pinky" Fey, desire to go on the stage.

9. What man has done most for the class?

On account of their great modesty, the most of the men left this space



blank rather than to vote for themselves. However, several men received three votes. Those most prominent were Guthrie, Levitan and "Pinky."

10. What man has done most of the class?

The race for honors in this case was a walk-away for Deveney's Dad. He won hands down, with Schewel, Peterson and Prof. Wilcox just appearing in the dim distance.

II. Do you earn money while in school, and how?
Would you believe it? Yes! Thirty-nine and a third percent of the 'oo class earn money while in school. The amount earned, however, was not mentioned in most cases, but since Armour men are above the average in intelligence, it must average \$2.00 a day. The methods were varied and interesting. Many of the men act as salesmen. The sale of old bulletins and Mech lab reports also seems to have developed into a very profitable business the past year. Several of the baseball squad support themselves by matching pennies. "Working father" is another quite profitable method with Armourites.

12. How often do you write home for money? 66.25% of the class live at home and thus miss the glorious opportunity and experience of writing home for money. Some of the fellows and quite a large number, too, answered "never" to this question, truly, "a very regrettable case," as the Glee Club sings. Some write when they want it, while others watch the days pass till the first of the month.

13. How often do you receive it?

It is truly lamentable to note how many men answered "never" to this query. It is needless to state the only course open to these unfortunates. Some men are lucky enough to receive money when they need it or want it, and for others it is a monthly experience, but from the discouraging tone of many of the answers, we judge that more than one man is acquainted with the proprietor of the nearest "hock-joint."

14. How much do you spend a year?

The average Armourite spends \$492.24. Of course the man who lives in the city under home influences brings the average down so low, as the average out-oftown man spends \$647.35. Our greatest spender claims that he disposes of \$1,300 annually. The minimum amount recorded was \$80.25. Apparently, this man considers tuition, board, etc., either as unlawful expenditures or else as donations for charitable purposes.

15. How much could you spend a year?

One man thinks he could spend a million dollars during his college year and still retain his connection with the Institute, but, "almost any amount" and "don't know until I try" appear to be more rational expecta-

tions. One person believes he could get rid of thirty-two dollars and thirtyfive cents.

16. What is your religion?

PHONE ARMOUR 191

Fifty-one percent believe in the Christian religion, 1.5% lean toward Mormonism, 7.9% are followers of Mrs. Eddy or Dowie, 22% are Hebrews, but the remainder say they haven't time to be religious.



17. What is your politics?

Thirty-eight percent of the men are Republicans and thirty-three percent are Democrats. Of the remainder, one man is a Prohibitionist and the rest are Mugwumps, Socialists and Anarchists.

18. What has been the happiest day of your College Career?

Some of the answers to this question are as follows:

"When I first finished chemistry lab."

"Rush days."

"The last day."

"When I leave for home and loved one."

"The day after."

"The day I got my first 'A.'"

"The day I entered Armour."

"The day we tied up '10 in the barn."

19. What the most sorrowful?

The following melancholy answers were obtained:

"The day I tried to write a theme on 'Why I came to College.'"

"The first day."

"The days I took finals."

"When I left 'Free-bowdys' class."

"When I flunked Physics."

20. Do you believe in Co-education?

The majority of the men believe in co-education, but this must be a passing interest only. All declare that they would not allow a girl to don aprons and join their squad in valve setting in Mech lab, or to put on a dust cap and help them sift ohms in 'lectrical lab.





The Seniors

Name	Course	Address
Adams, E. W. Anderson, M. J. Andrews, E. E. Badger, H. R. Barrett, D. O. Beaty, E. M. Berger, L. T. Botteron, C. I. Buehler, M. A. Burge, G. C. Busse, C. F. Cahan, J. Chan, Y. H. Converse, W. I. Cornwell, A. B. Converse, W. I. Cornwell, A. B. Converse, W. I. Converse, W	E. E	Washington, D. C. Hartford, Mich. 3549 Prairie Ave., Chicago. 1 Madison Ave., New York. 3558 Cottage Grove Ave., Chicago. Blair, Nebraska. 231 Calumet Ave., Chicago. 3334 Armour Ave., Chicago. 3334 Armour Ave., Chicago. 2396 Cottage Grove Ave., Chicago. Nashua, New Hamphsire. 771 Bosworth Ave., Chicago. Warsaw, Russia. 193 Twenty-second Street, Chicago. 438 Lake Ave., Chicago. 438 Lake Ave., Chicago. 438 Summerdale Ave., Chicago. 438 Summerdale Ave., Chicago. 4394 Chicago. 448 Summerdale Ave., Chicago. 4565 Union Ave., Chicago. 4656 Union Ave., Chicago. 4665 Union Ave., Chicago. 4666 West Adams St., Chicago. 461 Winchester Ave., Chicago. 5723 Prairie Ave., Chicago. 5724 Prairie Ave., Chicago. 5725 Prairie Ave., Chicago. 5726 Prairie Ave., Chicago. 5727 Prairie Ave., Chicago. 5728 Prairie Ave., Chicago. 5728 Prairie Ave., Chicago. 5729 Prairie Ave., Chicago. 5739 Prairie Ave., Chicago.
Ebner, A. J. Ellington, H. S.	M. E. C. E.	2406 West Adams St., Chicago. 9631 Winchester Ave., Chicago.
Ebner, A. J. Ellington, H. S.	M. E. C. E.	2406 West Adams St., Chicago. 9631 Winchester Ave., Chicago.
Eyers, W.	F. P. E. M. E.	Negaunee, Michigan. 515 East Forty-fourth Place, Chicago.
Grant, R. G. Guerin, J. Hackett, J. L.	C. F.	Nashua, Iowa. 3958 Ellis Ave., Chicago.
Harger, K. Holmboe, R. Holmes, W. E.	C. E.	4908 Ellis Ave., Chicago.
Jacobson, J. H. Johnson, A. R. Larson, R. L.	C. E. E. E. E. E. C. E. M. E.	4461 Ellis Ave., Chicago. 115 North Prairie Ave., Sioux Falls, S. D. 535 Melrose St., Chicago.
Latta, S. H. Lawrence, V. E. Lemon, H. de Lewis, R. L.	Ch. E.	424 Home Ave., Oak Park, Illinois. Paxton, Illinois. 3536 Western Ave., Chicago. 522 Church St., Evanston, Illinois.
Lunak, S. E. McEldowney, G. R.	M. E. Ch. E. Arch.	545 Blue Island Ave., Chicago. 6542 Prairie Ave., Chicago.
Matthei, H. R. Meyer, G. J. Monahan, J. E.	C. E. C. E. M. E.	1414 Rokeby Ave., Chicago. 34 East Twenty-ninth Place, Chicago. 3435 Wabash Ave., Chicago.



THE SENIORS—Continued

Name	Course	Address
Morey, C. R. Morgan, W. C. Nichols, H. W. Ochne, T. C., Jr. Ostergren, R. C. Packer, C. S. Pacyna, A. Pahlman, P. J. Parry, G. G., Jr. Parrick, W. W. Perkins, R. A. Pallak, E. H. Richardson, J. R. Schram, I. H. Schram, I. H. Schram, R. F. Simmons, L. E. Smith, L. B. Souther, S. A. Stevens, R. L. Stillman, E. H. Sturtevant, R. W. Teesdale, C. H. Thompson, M. L. Thomson, F. L. Thomson, F. L. Thomson, F. L. Thomson, F. J. Trinkhaus, W. Trinkhaus, W. Trinkhaus, W. Ty, Jr. Urson, F. J., Jr. Vacek, V. F. Wilsey, G. H. Wulers, G. F. Wuehrmann, W. G. Zimmerman, S. L.	E. E. M. E. E. E. E. E. E. E. Arch. C. E. M. E. C. E. M. E. M. E. C. E. M. E. C. E.	Hastings, Nebraska. 3122 South Park Ave., Chicago. Newton, Iowa. 5401 Ellis Ave., Chicago. 2039 Vernon Ave., Chicago. 3361 Calumet Ave., Chicago. 3360 Wabash Ave., Chicago. 4358 Champlain Ave., Chicago. 4358 Champlain Ave., Chicago. 4358 Michigan Ave., Chicago. 640 East Fiftieth St., Chicago. 6417 Washington Ave., Chicago. 6417 Washington Ave., Chicago. 6417 Washington Ave., Chicago. 642 Michigan Ave., Chicago. 643 Morth Oak Park Ave., Oak Park, Illinois. 643 North Oak Park Ave., Oak Park, Illinois. 644 Emerald Ave., Chicago. 643 North Oak Park Ave., Chicago. 646 Monroe Ave., Chicago. 650 South Lincoln Ave., Aurora, Illinois. 6649 Prairie Ave., Chicago. 6658 Monroe Ave., Chicago. 6699 Prairie Ave., Chicago. 6699 Prairie Ave., Chicago. 6699 Prairie Ave., Chicago. 675 Calumet Ave., Chicago. 675 Calumet Ave., Chicago. 676 West Adams St., Chicago. 677 West Adams St., Chicago. 677 Lincoln Ave., Aurora, Ill. 677 Lincoln Ave., Aurora, Ill. 6724 S. Ashland Ave., Chicago. 674 Lincoln Ave., Aurora, Ill. 6724 S. Ashland Ave., Chicago.

The Juniors

Name	Course	Address
Ahern, J. F. Anderson, A. G. Anderson, H. C. A. C. Bassett, J. B. Beckman, H. E. Beckman, H. E. Beckman, M. J. Buckett, A. C. Chamberlain, E. W. Conlin, W. F. Crane, E. B. Currier, H. S. Dawson, M. Dekker, H. G. Deveney, W. Dick, D. D. Downton, P. G. Dunham, J. L. Ebert, A. A. Ecklund, C. A. Ellett, A. M.	F. P. E. C. E. C. E. E. E. M. E. E. E. E. E. E. E. M. E. Arch. C. E. E. E. M. E. C.	42 Chicago Ave, Kankakee, Ill. 428 Thirty-fourth St., Chicago. 6504 Parnell Ave., Chicago. 6504 Parnell Ave., Chicago. 879798, Turkey. 4 One Hundred and Fourth St., Pullman, Ill. 4522 St. Lawrence Ave., Chicago. 113 Chicago Ave., Naperville, Illinois. 2602 Chicago St., Omaha, Nebraska. Earlville, Illinois. 3331 Forest Ave., Chicago. Plainfield, Illinois. 5333 Indiana Ave., Chicago. 333 Indiana Ave., Chicago. 333 Hermitage Ave., Chicago. 353 Hermitage Ave., Chicago. 508 Forty-second Flace, Chicago. 10816 Wabash Ave., Chicago. 10816 Wabash Ave., Chicago. Crab Orchard, Kentucky. 755 Union Ave., Chicago. 624 W. Sixty-second St., Chicago. 79 Thirty-fifth St., Chicago. 79 Thirty-fifth St., Chicago.



THE JUNIORS-Continued

Course Address Name Evans, R. T.
Fey, W.
Fitch, J. E.
Frisher, A. W.
Fitch, J. E.
Frisher, A. W.
Fitch, J. E.
Frisher, G. A., Jr.
Guthrie, J. E.
Hagerup, L. O.
Hall, A. G.
Hamilton, E. B.
Harmond, E. K.
Hirschfeld, G.
Johnson, R. W.
Jones, C. H.
Jorgensen, A.
Kahn, L. J.
Lettermann, G. D.
Levitan, S. C.
Leviden, T. J.
Lettermann, G. D.
Levitan, S. C.
Leviden, T. J.
McMarley, B. F.
McKarahan, E. W.
McAuley, B. F.
McKarahan, E. W.
Mahler, H.
Mayes, F.
Menkin, J. F.
Menkin, J. F.
Menkin, J. F.
Mollor, G. B.
Nelson, E. D.
Jr.
Neu, M.
Niestadt, F. A.
Olsen, A. P.
Ostergren, H.
Peterson, L.
Pheterson, L.
Pheterton, E.
R.
Reynolds, R. L.
Frenze, W. H.
Peterson, L.
Pheterton, E.
Schlinz, H. W.
Schuler, W.
Schuler, W.
Schulm, F. S.
Shedd, M. C.
Simpson, T. W.
Schwinn, F. S.
Shedd, M. C.
Simpson, T. W.
Schwinn, F. S.
Shedd, M. C.
Simpson, T. W.
Schwinn, F. S.
Shedd, M. C.
Simpson, T. W.
Schwinn, F. S.
Shedd, M. C.
Simpson, T. W.
Schwinn, F. S.
Shedd, M. C.
Simpson, T. W.
Schulm, H. W.
Schuler, W. M.
Schuler, W. M.
Vanderkloot, M. Jr.
Van Etten, F. C.
Von Gunten, O.
Waldo, A. T.
Walther, R. A.
Wappler, E.
Wiard, W. H.
Voung, A. G.
Voungberg, H. W.
Zanzig, F. C.



The Sophomores

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Austin, J. L.	M. E. M. E.	169 E. Fourth St., Corning, New York.
Bailey, C. C.	E. E. E. E.	Newton, Kansas.
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Barrows, F. E.	Ch. E.	Augusta, Maine.
Baughman, I. N.	E. E. Ch. E. M. E. E. E.	1697 Humboldt Boul., Chicago. 6437 Star Ave., Chicago. 169 E. Fourth St., Corning, New York. 3317 South Park Ave., Chicago. Newton, Kansas. 543 Second St., Calumet, Michigan. 2559 Hermitage Ave., Chicago. Augusta, Maine. Marseilles, Illinois. Girard, Kansas.
Bently, P. D.	Arch.	La Crosse, Wisconsin.
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THE FRESHMEN—Continued

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Lyon, R. McCague, A. McCormick, R. McEwing, L. B. McGee, R. A. McGinnis, R. C. McGuire, W. P. Mac Kenzie, T. J. Mandler, E. O. Marx, C. H. Math, E. R. Mautner, L. A. Meek, A. R. Merriman, H. Metz, F.		30 E. Twenty-ninth St., Chicago. 315 S. Franklin Ave., Austin Station, Chicago. Gary, Indiana.
McCague, A.	C. E. C. E. E. E.	315 S. Franklin Ave., Austin Station, Chicago.
McCormick, R.	E. E.	Gary, Indiana.
McEwing, L. B.	Arch, Arch.	Lansing, Michigan,
McGinnis, R. C.	Ch. E. C. E.	Gary, Indiana. Lansing, Michigan. Farley, Iowa. 2410 N. Paulina St., Chicago. 319 S. Lombard Ave., Oak Park, Illinois. 330 S. Taylor Ave., Oak Park, Illinois. 144 Humboldt Blvd., Chicago. 3017 S. Park Ave., Chicago. 7518 Ellis Ave., Chicago. 4855 Langley Ave., Chicago. 6351 Parnell Ave., Chicago. 6051 Parnell Ave., Chicago. 6151 Parnell Ave., Chicago.
McGuire, W. P.	E. E.	319 S. Lombard Ave., Oak Park, Illinois.
Mac Kenzie, I. J.	E. E.	330 S. Taylor Ave., Oak Park, Illinois.
Marx, C. H.	č. E.	3017 S. Park Ave., Chicago.
Math, E. R.	C. E.	7518 Ellis Ave., Chicago.
Mautner, L. A.	Ch. E. E. E.	4805 Langley Ave., Chicago.
Merriman, H.	Arch.	Morgan Place, Hollywood, California.
Metz, F.	M. E. E. E.	Pewee Valley, Kentucky.
Montigel I. R.	Arch.	4734 St. Lawrence Ave., Chicago.
Moore, W. L.	E. E.	Oregon, Missouri. Necedah, Wisconsin. Pocatello, Idaho.
Morley, C. W.	Arch.	Necedah, Wisconsin.
Munch, A. H.	Ch. E. E. E. E. E.	Pocatello, Idano.
Nelson, A. W.	E. E.	rocateino Isaano 409 Missispii Ave., Joliet, Illinois. 343 W. One Hundred and Sixth St., Chicago. 2881 N. Paulina St., Ravenswood, Ill. Lessing Annex, Chicago. 4824 Indiana Ave., Chicago.
Nelson, M. B.	Arch.	2881 N. Paulina St., Ravenswood, Ill.
Newhouse, A. M.	E. E. E. E.	Lessing Annex, Chicago.
Noe, W. B., Jr.	Arch. F. P. E. Arch.	Calhoun, Kentucky. Grand Haven, Michigan.
O'Brien, E. G.	F. P. E.	Grand Haven, Michigan.
Odgers, P. G.	Arch.	Sydney, Australia.
Ochne, W.	M. E.	5401 Ellis Ave., Chicago.
Osgood, R. D.	M. E.	15323 Loomis Ave., Harvey, Ill.
Paszkiewiez, J. A.	E. E.	620 Noble St. Chicago
Paul, W. E.	E. E.	Savannah, Missouri.
Peck W	M. E.	Hartley, Iowa.
Meers, A. K. Merriman, H. Metz, F. Moir, L. H. Montigel, J. R. Moore, W. L. Morley, C. W. Mullen, T. F. Munch, A. H. Nelson, A. W. Nelson, M. B. Newbert, L. W. Newhouse, A. M. Noe, W. B., Jr. O'Brien, E. G. O'Neil, W. F. O'Rein, W. G. O'Neil, W. G. O'Nei	M. E. M. E. C. E.	Sydney, Australia. 3791 Evergreen St., Norwood Park, Chicago. 3601 Ellis Ave., Chicago. 15323 Loomis Ave., Harvey. III. 2132 N. Twenty-ninth St., Omaha, Nebraska. 630 Noble St., Chicago. Savannah, Missouri. Hartley, Iowa. 2254 Michigan Ave., Chicago. 3223 Dover St., Chicago. 3221 Morse Ave., Chicago. 3221 Morse Ave., Chicago. 3221 Morse Ave., Chicago. 450 E. Ravenswood Park, Chicago. 444 Champlain Ave., Chicago. 444 Champlain Ave., Chicago. 456 N. Ashland Ave., Chicago. 326 Allen St., Belvidere, III. Sault Ste. Marie, Michigan. 1897 E. Eighty-eighth St., Chicago. 1897 E. Eighty-eighth St., Chicago. 1897 E. Eighty-eighth St., Chicago. 1803 Humboldt Blvd., Chicago. 1804 T. Chicago. 1805 Humboldt Blvd., Chicago. 1807 A. Chicago. 1807 T. Chicago. 1807 T. Chicago. 1807 T. Chicago. 1807 T. Chicago. 1808 T. Chicago. 1809 T
Perkins, H. R. Pettibone, G. D. Piowaty, W. Pirrie, P. G. Pond, F. L. Ratkowski, E. P. Ray, F. A. Robinson, J. A. M. Robetheim, W. Rohm, W. Rohm, W. Rohm, W. Sangdah, G. Sackley, J. B. Sailor, H. G. Sangdah, G. S. Sangdah, G. S. Sasse, G. T. Schernbel, H. Schutz, S. J. Schutz, S. J. Schutz, S. J. Schutz, A. Seidler, H. Scharless, S. F. Shreeve, A. Shreeve, A.	E. E.	1321 Morse Ave., Chicago.
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Powell, L. L.	C. E.	4441 Champlain Ave., Chicago.
Ratkowski, E. P. Rav. F. A.	C. E.	656 N. Ashland Ave., Chicago.
Robinson, J. A. M.	M. E.	330 Allen St., Belvidere, III.
Roetzheim, W.	Arch.	1897 E. Eighty-eighth St., Chicago.
Roleson, E., Jr.	E. E.	1505 Humboldt Blvd., Chicago.
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Kyoders, G.	M. E. E. E.	Carpentersville, Illinois.
Sailor, H. G.	Arch.	517 W. Sixty-first St., Chicago.
Salnik, N.	Arch.	7618 Lowe Ave., Chicago.
Sangdani, G. S.	C. E. Arch.	Brunswick, Missouri.
Schernbel, H.	E. E. E. E. C. E. F. P. E.	Beaver Dam, Wisconsin.
Schmidt, E. J.	E. E.	1071 Herndon St., Chicago.
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Schutz, S. J.	C. E.	Shawano, Wisconsin.
Schwartz, A.	Arch. M. E.	7428 Jackson Ave., Chicago.
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Shreeve, A.	Arch.	2546 Madison, Ogden, Utan.
Sieck, H.	Ch. E. M. E. C. E. C. E.	1737 Deming Place, Chicago.
Silva, C., J., Da,	C. E.	1144 S. Ridgeway Ave., Chicago.
Shraptess, S. 1. Shreeve, A. Sieck, H. Sieck, W., Jr. Silva, C., J., Da, Simons, L.	C. E.	807 Marshall Ave., St. Paul, Minnesota.
Smith, C. L.	C. E. Arch. E. E. M. E. M. E. M. E. E. E. E. E. E. E. A. E.	4411 Van Buren Ave., Sioux City, Iowa.
Smith, D. R.	M. E.	1619 Garneld Blvd., Chicago.
Smith, E. J.	M. E.	Three Rivers, Michigan.
Smyth, T. A.	E. E.	803 Jackson Blvd., Chicago.
Snow, C. A.	E. E.	5446 Cornelia St., Chicago.
Stafford, G.	E. E. M. E.	3140 Sorve Ave., Chicago.
Simons, L. Smalley, R. E. Smith, C. L. Smith, D. R. Smith, E. J. Smith, S. M. Smyth, T. A. Snow, C. A. Stafford, F. H. Stoddard, H. H., Jr.	Arch.	Forrest City, Arkansas. 814 N. Twenty-third St., Omaha, Nebraska. Carpentersville, Illinois. 517 W. Sixty-first St., Chicago. 418 Bowen Ave., Chicago. 618 Lowe Ave., Chicago. Brunswick, Missouri. Beaver Dam, Wisconsin. 212 Fremont St., Chicago. 1071 Herndon St., Chicago. 1071 Herndon St., Chicago. 1071 Herndon St., Chicago. 1072 Herndon St., Chicago. 1074 Marchado St., Chicago. 1074 St., Ridgeway Ave., Chicago. 1073 Deming Place, Chicago. 1074 S. Ridgeway Ave., Chicago. 1074 S. Ridgeway Ave., Chicago. 1074 Mans St., Chicago. 1074 Garfield Blvd., Chicago. 1075 Garfield Blvd., Chicago. 1076 Garfield Blvd., Chicago. 1076 Garfield St., Chicago. 1077 Chicago. 1078 Garfield St., Chicago. 1078 Garfield St., Chicago. 1079 Garfield St., Chicago. 1070 Garfield St., Chicago. 1070 Garfield St., Chicago. 1070 Garfield St., Chicago. 1071 Garfield St., Chicago.



THE FRESHMEN—Continued

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Szeszycky, I.	C. E.	951 Ballou St., Chicago.
Taylor, C. A.	Arch.	Kansas City, Missouri.
Tellin, W. G.	M. E.	Newton, Kansas.
Tillitson, M. F.	M. E.	Montgomery, Illinois.
Turley, E. W.	Ch. E.	Logansport, Indiana.
Van Slyke, G.	M. E.	Marseilles, Illinois.
Vigeant, G., Jr.	Arch.	16 Nestor St., Chicago.
Wamsley, G.	C. E.	Flat 411 Mecca, Chicago.
Weber, A. J.	E. E.	454 Seventh St., Portland, Oregon.
Weber, C. M.	C. E.	2546 N. Ashland Ave., Chicago.
Webster, N. A.	M. E.	Mancoma, Iowa.
Wessen, O. F.	C. E.	424 Greenwood Ave., Topeka, Kansas.
Wheelock, R.	C. E.	822 Central Ave., Wilmette, Illinois.
Whitaker, D. A.	E. E.	Bradentowns, Florida.
White, D. E.	Arch.	142 Locust St., Chicago.
Wilson, R. C.	E. E.	203 Avenue A, East, Hutchinson, Kansas.
Wolfe, H. C.	Arch.	707 Main St., Ft. Worth, Texas.
Wong, Y.	M. E.	3835 Cottage Grove Ave., Chicago.
Zellinger, J. W., Jr.	C. E.	Medford, Wisconsin.
Zimmerman, C. L.	E. E.	Billings, Montana.

Special Students

Angell, A. A.	3435 Wabash Ave., Chicago.
Basch, R. J.	3363 Calumet Ave., Chicago.
Cross, C. H.	15619 Myrtle Ave., Harvey.
Church, R.	3337 Armour Ave., Chicago.
Goss, F. L. Jr	1651 W. Monroe St., Chicago.
Grenoble, H. S.	4312 Champlain Ave., Chicago.
Green, H. H.	1829 Indiana Ave., Chicago.
Hollandsworth, G. C.	3938 Grand Blvd., Chicago.
Jett, D. B.	1806 Missouri Ave., Sedalia, Mo.
Maccomber, D. M.	3048 Kenmore Ave., Chicago.
Marimon, F.	3327 Michigan Ave., Chicago.
Miller, P. F.	Lessing Annex, Surf Ave., Chicago.
Van Hoesen, H.	2780 Sheridan Road, Chicago.
Baxter, L.	7223 Ellis Ave., Chicago.
Beauvais, L. J.	1942 Barry Ave., Chicago.
Jordhoy, H. A.	234 E. Ontario St., Chicago.
Stone, M. A.	6111 Wabash Ave., Chicago.
Bellas, C.	S. Auburn, Nebraska.



Academy Students

Ahern, A. A.
Babcock, H. A.
Beech, C.
Bradley, H. C.
Bright, O. T., Jr.
Burlow, H.
Chamberlin, G. W.
Congdon, H. T.
Dettweiler, W.
Donnelly, J. C.
Driver, A. J.
Dunn, V. M.
Ellhogen, A.
Fenn, J. E.
Finkelstein, M. D.
Fors, A. F.
Freund, H.
Fritch, B. G.
Furey, J.
Graff, W.
Green, J. P.
Hales, J. L.
Harris, A. M.

Adams, C. R.
Amend, F. W.
Anderson, G. A.
Anderson, M.
Armstrong, G.
Baird, L. N.
Baumberger, C. A.
Bernstein, J. I.
Bliss, W. C.
Boyleston, John Jr.
Burr, R. E.
Clark, F.
Clark, R. B.
Classon, A. N.
Cooney, F. E.
Cooper, W. P.
Corboy, R.
Cox, A. M.
Crowell, C.
Cushing, R. A. Crowell, C.
Cushing, R. A.
Cuthbert, W.
DaCosta, H.
Deniston, A. J., Jr.
Drozeski, D. A.
Epstein, D.
Fizette, C. E.
French, H. H.
Gaughen, M. B.
Gehring, F.
Gehring, H. Jr.
Goodmanson, F. A.
Grossman, A. E.
Harvey, T.

1908
Harrison, J. R.
Hayne, A. S.
Hefter, E. G.
Heter, E. G.
Heywood, G. W.
Hooper, W. D.
Jahn, H.
Jones, L. S.
Kahn, S.
Kaun, R.
Kidde, T.
Kraus, G. H.
Krause, A. A.
Lawrence, M.
Liebrandt, C. R.
Loewenberg, M.
Lovett, T.
Lundberg, J.
McAnsh, B.
McBurney, B.
McCormick, R. P.
Maher, L. E.
Moore, M.
Niemz, A. M.

1909

Hertz, S. F.
Hetherington, A. T.
Hetherington, M. D.
Holden, A. F. Jr.
Hollowed, J.
Hutchings, P. A.
Johnson, E. P.
Johnson, R. E.
Kinney, C. F.
Kirkham, R. F.
Knight, E.
Kreer, F.
Kretzmann, A. J.
La Berge, W. C.
Lambright, G. E.
La Rue, M.
Livings, F.
Lobdell, W. L.
Lockwood, A. E.
Loonam, F.
Lyons, J. A.
McKenna, H. V.
Meyer, N. B.
Meyer, W. L.
Moeller, D.
Nadel, G.
Nell, B. F. Jr.
Patton, R. C.
Pointek, C.
Potter, R. J.
Ray, W.
Reebie, A. W.
Reeves, A. G.

Nugent, C. D.
Peiffer, A. N.
Peiser, M.
Price, H. W.
Roller, L. H.
Sackley, J. B.
Salomon, H. M.
Scarborough, J. B.
Schmidt, A. O.
Schuler, C. R.
Scott, R. O.
Sharp, J. H.
Smithson, S.
Spindler, R. W.
Stafford, J. C.
Stenson, R. X.
Thompson, H. W.
Vial, C.
Weinaug, W. C.
White, A. G.
Winn, C. V.
Wolfe, A. W.
Wyman, R.

Rich, H.
Richards, A. L.
Robbins, C. E.
Robbinson, P. C.
Schloss, G.
Schneider, C.
Schreiber, E.
Scully, G.
Shaffner, C.
Sincere, E.
Smith, E. B.
Smith, E. B.
Smith, E. B.
Smith, E. B.
Tottmann, H. G.
Torey, W. A.
Trow, H.
Volger, E.
Wald, M.
Walin, H. S.
Walker, L. E.
Walker, L. E.
Walters, W. J.
Wares, C.
Wasko, V.
Weart, D.
Webster, A. K.
Weinberg, E.
West, L.
Williams, E. H.
Wolff, F. J.
Wolff, F. J.
Wolff, G.
Yorke, W. H.



ACADEMY STUDENTS—Continued

1910

Aarons, A. Akely, N. S.
Altman, E. E.
Ames, A. W.
Aurell S
Baker, H. W.
Becker, R.
Blick, R. C.
Bogg, H. B.
Bohn, H.
Brewer, F. L.
Brosey, C.
Brown, R. I.
Brownell, I.
Brunton, R. R.
Burke, F.
Bushong, K.
Cairns, M.
Capper, H. C.
Ching, Q. C.
Chipman, L.
Christenson, H. J.
Clark, C. W
Clark, C. W Cohn, B.
Cohn, B. Cole, R.
Cohn, B. Cole, R. Converse, L.
Cohn, B. Cole, R. Converse, L. Cooper, R.
Cohn, B. Cole, R. Converse, L. Cooper, R.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Counties F. N.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M. Davis, H.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M. Davis, H.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M. Davis, H. Deamud, W. S. Dean, C. A.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Countiss, F. N. Curnutt, J. W. Cuttle, M. Davis, H. Deamud, W. S. Dean, C. A. Dow, W. H.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M. Davis, H. Deamud, W. S. Dean, C. A. Dow, W. H. Dunham, R.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M. Davis, H. Deamud, W. S. Dean, C. A. Dow, W. H. Duntley, C.
Cohn, B. Cole, R. Converse, I. Cooper, R. Costello, L. Countiss, F. N. Couts, A. Curnutt, J. W. Cuttle, M. Davis, H. Deamud, W. S. Dean, C. A. Dow, W. H. Dunham, R.

Foster, J. G.	
Fox, G.	
Fujimoto, T.	
Gants, A.	
Garbulsky, S.	
Gleeson, O.	
Grady, É.	
Grady, E. Grove, C. A.	
Grunewald, A.	
Hoeffel, B. D.	
Huddleston, F.	
Israel, H.	
Johnson, L.	
Johnson, L. Johnson, T. W. Kaeding, A. G. Kappelman, O.	
Kaeding, A. G.	
Kappelman, O.	W. Jr.
Kent, W.	
Keyl, F.	
Kruger, J. H.	
Lampman, W.	
Lang, E. C. Langford, L.	
Langford, L.	
Loenthal, L.	
McDiarmid, W	. S.
McGlashan, A.	
McMillan, H.	
Mathey, F. W.	
Matt, P. Mehl, P. W.	
Mehl, P. W.	
Merillat, L. Jr.	
Miles, E. W.	
Miller, M. F. Morey, A. B.	
Morey, A. B. Myer, W. A. Myers, E. J.	
Myon F I	
Partridge, L.	
Peck, F. J.	
Perkins, J.	
Pfaelzer, J. L.	
Pitts, E. S.	
1 1005, L. O.	

T) 11 TT
Roller, H.
Redlich, R. Jr.
recurrent, re. jr.
Rosenberg, J.
Rosenberg, J. Rosentiel, E. Schlag, E. H. Schwane, A. E.
Rosentici, E.
Schlag, E. H.
Sahwana A E
Schwahe, A. E.
Seaman, R.
Charles D. M.
Sherlock, D. M.
Sklarek, C.
Smith, P. O.
Smith, F. O.
Steininger, W.
Steam dhours T
Strandberg, L.
Struck, A.
Sweets C
Swartz, C.
Swatek, G. W.
Tamaia E
Taussig, E.
Terry, H. L.
Titus, J. H.
1 11 us, J. 11.
Traver, D.
Travic V M
Traver, D. Travis, V. M. Turk, M.
I urk, M.
Turner, E.
Turner, J. W.
Turner, J. vv.
Van Engers, L.
Verhoeff, J. R.
Vernoch, J. Ic.
Vermillion, L.
Vittner, C.
77. D : 34
Von Pein, M.
Waldron, W.
Walker, S. V.
Wallace, A. L.
Wallace, L.
Wallace, L.
Weber, H. F.
Weichsler, H.
Weinberg, L.
weimberg, L.
Whiting, B. H.
Wilcox, C.
117:11 · C 117
Wilkins, C. W. Young, E.
Young, E.

SPECIAL.

Goodnow, D. H.

Griswold, G. P. Moir, L. H. '07



The Handsomest Man at the Institute.



Mr. Henry George Clasen, Record Clerk.

The President

The Comptroller and Secretary

Munsaulus

The Dean of the Engineering Studies

The Doon of the Column Studies

H.M. Raymond L.C.1

Some Valuable Signatures.



A Rhyme of the Profs.

A stands for Anderson and Agle, E. D.,

The latter ahem's and the former marks E.

B is for Burnham, experimental's his fort, Also for Barrows, our illuminating sport.

C is for Coffeen of cheese story fame,

And for College, the Scot, and for Campbell, the same.

D stands for Doubt with Physics in mind, Also for Dietzsch from over the Rhine.

E stands for a flunk and as we all know,

We stand for it too, though it causes much woe.

F is for Freeman with polyphase A. C.

And for our great chemist, Freud, Benjamin B.

G stands for Gebhardt, the Mech lab's big chief, The Senior Mech's joy and also his grief.

H is for Haynes, a new electrical man,

And for our friend Howell who makes us mix sand.

I stands for the Institute of old Armour Tech, Nine rahs for the boys, Arch, Mech, Civ, Elec.

I is for Jacobson, a chemical prof

Who lectures to Freshman and also to Soph.

K stands for Knowlton, whose ambition it seems Is to play at short-stop on Faculty teams.

L is for Leigh, with Academy ball team, And also for Libby, who lectures on steam.

M is for MacFarland on Thermo-dynamics,

For Moreton on 'phones and McCormick's Ceramics.

N stands for Nachman, who knows kinematics And is versed in Design and in Adiabatics.

O is for Oldberg, whose name I can't rhyme, In Senior Mech lab he spends most of his time.

P is for Phillips, whom the Civils call Pa, And also for Perry, who makes the Mechs draw.

Q is for the questions the faculty propound

To determine by trial if our knowledge is sound. R is for Radtke, who talks on forced draft,

And for our friend Rochlitz, who is built a la Taft.

S is for Snow and Sherger, G. L., And also for Smart and Shattuck as well.

T stands for Taylor, the Fire Protect man, And for Tallmadge, who teaches the Architectural plan.

U stands for us, that means you and I,

You're reading this rot, which I've tried to supply. V stands for villains (by some they're called Sophs),

Whose chief aim in life is to worry the profs.

W is for Walrath, who teaches "biz" law,

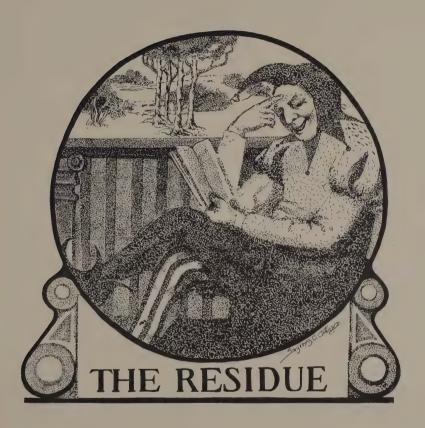
And also for Wilcox and his physics, Oh pshare!

X is for the unknown prof who will be here next year, His heart full of hope,-mingled with fear.

Y is for Youngberg, a wise Junior shark, He teaches in Dean Clasen's school after dark.

Z is for Zorn, he is the last one, my friend,

Cheer up, Oh Reader, sing the Doxology: Amen!





THREE HOURS

(Or an afternoon with the Junior Mechanicals.)

A sensational, hair-raising comedy in one act, produced by Professors Perry and Nachman, with a superb cast of Junior Mechanicals in Chapin Hall and under the personal stage supervision of the two stars.

The Principals:—Commodore, Lubbin Henry, Spike, Shorty, Damudutch, Captain Bob, Jesse-I, Spitzy, followers, retainers, howling mob, &c, &c.

SCENE I. ACT I

(Subdued voices. Curtain.)

Mob (singing):

So what the blank do we care for what the people say:

For we are, we know we are, the Armour Y. M. C. A.

(Enter Lubbin Henry, in a hurry.)

L. H.:-Sav, there, you fellers, I want you to stop that nonsense. Cease at once, or I'll throw the whole push out. I mean what I say.

(Exit Lubbin Henry.)

Chorus (softly at first):-

Well, he walked right in and turned around

And he walked right out again.

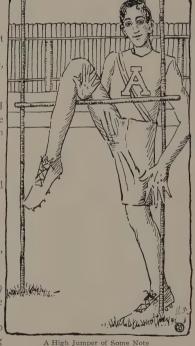
He made the round trip in less time

Than it takes to count up ten.

He simply stopped to say his speech, He didn't try to throw us out. Well, he-

(Enter Lubbin Henry, red with anger.) L. H.:—Avast there, or leave the room.

(Exit. Mob quiet for 3 minutes, 20) seconds by Shorty's Ingersoll, working diligently over drafting boards.)



(Two of mob lean out of window, and gently drop electric light bulb to sidewalk below. --- Muffled loud explosion. --- Everybody studies diligently. --Puffing heard in distance as of man running up four flights of stairs. -- Enter Commodore out of breath, chewing peppermint candy.)



Commodore:—Say, there, you men, what do you mean? Who hurled that bulb? Sakes, man alive, had I not had my wits about me, I should have jumped ten feet. (Chews gum excitedly.) Was it you, Mayes?

Shorty:—Hare no, Mister Commodore.

Commodore:-Was it you, Spike?

Spike:-Ugh-ugh.

Commodore:—I am suspicious. (Eats peanuts.) But I tell you that if ever I catch him, it's au revoir to Armour Tech. Spike, man, do you understand your work today?

Spike:--Ugh-ugh.

Commodore (eating gum-drop):—Then the rest of the class does.

(Titter from mob. Com. eats licorice and exits for a pow-wow with Lubbin Henry.)

Spike:—'Twas a narrow escape.

Shorty:-Hare, yes.

Damudutch:—I wonder why Perry became a teacher. He seems to be a pretty bright fellow.

(Curtain.)







A Pin Joint

FISHER'S DREAM

Artie Fisher dreamed the fishiest dream that anyone ever dreamed of dreaming. It was this way: Artie had not been eating rare-bits, cheese-sandwiches, nor any of the other dream-producing substances occasionally found at a Radic's banquet, but he just naturally dreamed the following dreamy dope. He was in an auto race and was a long way in the lead. His ability as a Mechanical Engineer had helped him to devise a new method of locomotion which consisted of a six-cylinder 120 horse-power gasoline motor and a football. Holding the motor in his hand and perched upon the football, he was propelled by the friction of the fly-wheel on the ground. As he was nearing the goal, however, the bladder of the football exploded from the magnitude of the peripheral velocity and Fisher woke up.



"Ethplaining Thome Fundamental Printhipals"

HOW LONG DID SHORTY WAIT?

Mayes:—"Say, Mister Anderson, the water is going back into this tank as fast as it is pumped out."

Mr. Anderson:—"Well, just wait until the level goes down."

FROM A PHYSICS LAB REPORT

"Agate knife edges are most often used because they are *less* likely to rust than steel."



"Slip-Stick"-A Study from Life.



JUST A MATTER OF OPINION

Conlin:—The length of the arm is 120 inches.

MacAuley:-No it isn't. It's 10 feet.



A Negative Lap

Freshie:—Judging by the noise last night, they must have chivareed that newly married couple in the flats.

Soph.:—Hush, child—Don't let Dittmar hear you say that! That was the Glee Club practicing with the Chapin Club piano.



Parry at the Blackboard



One of the Pleasures of the Summer Camp





Some Future Engineers

WHOOP! "Why is the Physics class like a regiment of cavalry?" "They passed in review on ponies."

"Why is Adams like a series motor?"

"Because he gives so much torque (talk)."



The College Widow

Prof. Riggs—What is the "radius of oscillation" in this problem?
Hall, '09 (an innocent looking lad, in truth)—I find the radius of osculations. lation to be three inches.



Isn't He Cute? This is an early photo of our Crack 1st Baseman

Math. Prof.—If "n" men do a certain piece of work in a given time, how long will it take "r" more men to do the same work?

Freshman—Why, I suppose Armour men could do it in a much shorter time.



Ebert gets 'em all cut.





A Modern Fairy.

OH!

Persons:—"The lesson for tomorrow is sewers, where I think you will find food for thought."

WHICH IS HE?

Neu says: "Only fools and horses work."



A Daily Proceeding with John Selby

AN ARCHITECTURAL QUESTION.

Waldo:—"Mr. Tallmadge, do you want us to provide wash basins in this tomb?"

Prof. Phillips:—"What is meant by a fat cement?"

Donald D. Dick, '09:—"One that swells."



In the Civil Drafting-Room



Meek--Say, aint it funny the way the girls dress now-a-days!





'He Made a Bolt for the Door"

HEARD ON THE STAIRS.

"Have you got the correct time or just school time?"



Sacred to the memory of Barrett, Morgan, Loofburrow.



A Rear Elevation

AFTER WICKIE MADE TAU BETA PI.

Freshman (admiring the lanky Texan)-"And are you a Tau Beta Pi, Mr. Townsend?"

John Selby-"No, but I sleep with one."







A REMINISCENSE

One day last year, the 'oo Mechanicals were working hard over their drafting boards in the general drafting room. This in itself was an unusual circumstance. Pretty soon, it came into the head of one Spike that he would like to see a game which was then going on in Ogden field. After consultation with dare-devil Mayes, it was decided that the desired result could be effected by running the blue-printing frame out the window, so that the field would be reflected to the desks of the workers. No sooner said than done. But hist! The head of a solemn prof slowly arose above the seven foot partition and with a menacing growl forced the experimenters to pull back the frame. Immediately a consultation was called and the question was debated as to how the scheme could have been discovered. Finally, Zanzig, the mathematical sleuth, was called upon. In a trice he had discovered the cause of the interruption of the innocent sport. He searched the draftingoffice and there, with his nose pressed flat against the pane, was the afore-mentioned prof. venture of the twain had interrupted his own view of the game. O, consistency, verily thou art a jewel.

"Why is Coffeen's head like paradise?"
"It's a bright and shining spot, and there shall be no dying nor parting there."

IN THE LIBRARY.

Freshman (looking for historical novel)—"Please give me "Three Weeks."

Freshman—Is Newth inorganic? Soph (who knows)—You'll think so before the year's up—I know, at least, that he hasn't any heart.



Waist Energy







THE INTEGRAL'S PRIZE PUZZLE



H. G. Decker
M. C. Shedd

E. B. Crane H. E. Beckman E. V. McKarahan

R. A. Walther G. A. Grassby

The only successful contestant was Hallam C. Smith, and for his skill in guessing he will be given the prize of one copy of the Integral, Vol. X.



A VINDICATION OF THE LIMERICK

With apologies to Caroline Wells

In an article in a magazine of a year or so ago, a writer showed conclusively to any thinking mind that the limerick was not only good poetry but the best poetical mode of expression. It is the object of this article to prove that it is the briefest and best method of expressing any thought.

Let us consider, for instance, the same limerick that this writer used for her

argument.

There was a young lady from Niger, Who smiled as she rode on a tiger, They came back from the ride With the lady inside, And the smile on the face of the tiger.

Suppose some of our learned professors at Armour should try to express

this same sentiment. How would Prof. Rochlitz of the Chemical Department attack it? From all previous experiences it would be something like this:

"We have given in contact a young lady and a tiger. From the nature of the two bodies, we might expect the reaction to take place immediately. But it does not. Instead, the maiden smiles and the tiger gallops. But in Niger the sun is very warm and the tiger perspires freely. Also, as the maiden finds herself far away from her home and friends, she becomes dissolved in tears. Having now both substances in solution, there are tiger ions and maiden ions present and the direct addition product is formed. The equation may be simply written thus: M+T=FULL MEAL. It is this result which probably causes the smile on the face of the tiger."

"Free-boady" MacFarland might (?) give it in the following manner:

"We have given the problem of the lady riding on the tiger. It is claimed that the lady is smiling. It is quite reasonable that the tiger should not smile— he is doing the work. It would be interesting to find the cause of the tiger eating the lady. Let us figure the bending moment on the tiger's back. We may consider the maiden as a concentrated load applied at the center.

"Let M be mass of maiden "I the length of tiger From symmetry, R₁=R₂ & Sigmer Y=O, R₁=M₂ ... Mom= $M_{\frac{1}{4}}$ is a maximum.

"If the tiger is 10 feet long, which might be assumed, and the maiden weighs 200 pounds (which is quite the style in Niger, I am told),

therefore,
$$M_{\text{max}} = \frac{200 \times 10 \times 12}{4} = 6000 \text{ in. lbs}$$

"After the tiger has run some distance, this load might possibly seem excessive. He throws the maiden off, and as she looks 'good to him,' eats her. I should say, from the conditions, this causes the 2000 pounds to become practically uniformly distributed at 20 pounds per foot of tiger.

$$M_{\text{max}} = \frac{M1}{8} = \frac{200 \times 10 \times 12}{8} = 3000 \text{ in. 1bs.}$$

"I hardly like to commit myself on that point, but this change is evidently

quite sufficient to justify the tiger in smiling.

After a careful consideration of the above, it is quite clear that anyone would prefer a simple limerick to any such efforts. Would it not be advisable to have Dr. Colledge give our gentle Freshmen a "Short Course in Limericks"?





THE TROUBLE MAN

If a flunk sign e'er be sent you
And Clasen on your trail is;*
If the 'lectric lights aren't working.

Or the profs don't know their biz; If Cap Larson serves poor lunches, And the walks are white with ice; Just petition Mr. Raymond,

And he'll fix it all up nice.

Q. What are you doing with the tachometer?

A. I'm going to get the counter E. M. F.

IN ECONOMICS

"When I was a boy, my mother told me to keep my pennies in one pocket, my marbles in another, and some string and fish-hooks in a third, and I have done that ever since. Now close your parenthesis and go on."

Laugh and the class laughs with you, Laugh and you laugh alone— The first when the joke is Scherger's joke,

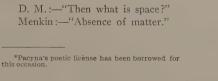
The second when it is your own.

Registration Ass't—You're a freshman, are you not?

New Student—No ma'am, I'm Polish.

Dean Monin:—"What is matter?"

Menkin:—"That which occupies space."









IN SENIOR NON-ELECTRICAL ELECTRICITY

Ostegren, the arshyteek, reading instruction sheet, "Then wind coil about an air gap. Say, fellers, where can ve get an air gap?"





He Carried Things with a High Hand



"Why do you prefer track men to baseball men?"

"One sees so much more of them."









THE 20-SECOND KISS

Following the discussion in the daily papers about the new-fashioned New York kiss a la mode a reporter interviewed a number of prominent Tech men as to their opinion of the kiss which lasts for twenty seconds, and this is what he found out:

Donald D. Dick:—"I refuse to be interviewed."

Doctor Gunsaulus:—"Walking in the soaring realms of the idealistic heavenly bliss, with one's wagon fixed to yonder twinkling star, far beyond the reach of mortal man, it behooves us to pause in awe and dissect into minute metaphysical particles the pure sky-blue atmosphere of the sacred theory of osculation. Mere man with all his humanness can-(But here the reporter fled.)

Spitzglass (married, with three hopefuls):-

"Ugh!"

Prof. Coffeen:-"Two years ago, I would have said 'too long'; one year ago, I would have said 'too short,' but my present opinion I must reserve for a few select members of the faculty club."

R. A. Walther:-"That depends on the other half of the kiss and on the place. Now, if it concerned the girl I—"(But he later threatened to bankrupt the Integral if the editors printed the story.)

Alexander Morriss Ellett (nee Spike):-"Don't bother me now. I am too busy smoothing up my latest scrap with an Art Institute girl."

Dean Monin:-"Zat iss too long to be comfortable yet. At night one day in Svitzerland zey gif ze dainty von-second kees — so!"

A. A. Dittmar (married, with a very young hopeful):-"O -

A. G. Wickerham:—"In Peetsburg we have adopted the ten-minute kees as standard, but then Chicago and New York are slower than Peetsburg."

E. V. McKarahan:-"Personally, I prefer the 5-second variety, as then one can get more of them. When I was at Grinnell--"(But everyone has heard him tell that be-

Earl Miller:—"O death, where is thy sting?"



Vigeant, '11, Gets His Funny Hair Cut



Prof. Wilcox:—"It ith one of the fundamental printhipalth of phythicth that a change of motion ith proporthional to the imprethed forth, and unleth there ith a reaction that up, the otheullathion will last indefinitely. Henth, therefore, it depends on the moving body who ith being otheulated. Q. E. D."



Some Types of Transformers

- M. C. Lawson:—The reporter was not quick enough with his pencil to take down all that the Nebraska financier could rattle out in one minute, but he has a dim idea that Lawson approves of it.
- B. B. Freud:—"That is not—good idea—not polite—not nice—but serves to pass away—dull evening—Got class—this hour—see you—later." The reporter was out of breath by this time trying to keep up with the strenuous professor and was glad to go into the library and transcribe his notes.



"Murder on the High C's"



What Feet!





NAUGHTY MAN

Student (giving excuse for being unprepared):—"I took a physic and was awake nearly all night."

Prof. Zorn:—"Well, you ought to be thankful that you don't take Mechanics and have to stay up every night."

IN VALVE GEARS.

Prof. Perry:—"Is this a plane figure?"

Valerio, '08: — "No, straight. front."

AND THIS FROM A JUNIOR

Morton:—"How can one measure the lines of force?"

Levitan:—"Get a microscope and count them."

McKARAHAN'S FORMULA.

To clean off paint—Back up against it before it is dry.



Darn it, that's the worst about working at home! When you want a thumb-tack, you can never run across one.



"Free-bowdy"



AN ARMOUR INSTITUTION

THE SUIT CASE!

Some time back, in the annals of the Institute, the *habit* sprang into being. Whence it came, no one knew. It just created itself from the atmosphere of the place. Foreign travelers came here, saw the multitude of Armour men—each with his "suit-case,"—and they marveled. No where in all their experience had they seen college men carrying "suit-cases," in which to convey their books. It spoke well for the learning of the Institute, at least for the quantity of it.

No lesser personage than President A. T. Hadley, of Yale University, dwelt with emphasis on the "suit-case" habit of Ar-



mour men. He said at first sight he wondered what the customs of the school might be that every student carried his evening clothes with him.

Since that time, the habit has spread far and wide, for it is more than a fad; it is a great invention of some true engineering mind—to fill a practical need. If manufacturers, who have reaped such a benefit, would only sell it as the "Armour Trunk," they would be but giving due credit to its source. Despite its fame, the "Armour Trunk," whether it has become so numerous or no, has fallen into disfavor with the authorities, for they issued an edict against its being checked in the cloak room and leaving it in the halls. Alas! such is the fate of Armour's most famous institution.



"Getting His Meals Outside."



When Stillman Got the Big-head



Core Losses

A VERY DEFINITE ANSWER

Prof.:—"What kind of sand should be used for concrete?"

Dittmar:—"Sand that can be seen with the naked eye."



What One of Our Classmates Thinks of the Integral

Иптеграция Нашего Института.

"Настоящий учебный года зашиет весьма почетное мичето ва четорий развития вамиго студентиства, билодарие неоспоримой важности текущий событий.

Самос вожное - Свайка - прошла блестаще. Оба вогогощіс курка, первий и второй, въ тот паметный денедосьта начамись гразью смостымих умиць; и, на славу студенческаго міра, объ сто роли остались побъдителями.

Curdyouse no bameroeme, colomic ono cocmazanie na nouro Chamoro Mera co amplenname Hezanamemnoro ynebercumoma. Moma "Hazur" uzry u nomopemu, jamo 20,2320 loulue bourpane bu notrouro complenecnaro dyxa.

U ber Finaruna urpa Ha, codomban Hour nour cepterno januman berur. Cun baerda proneceduna br yporno bpena, node pyrobodembone encuians-haro konumena, como anaro us mur janumepecobannour bo becomo ponnour passumie emplunecearo o suscembo".

прибизательно такое содержание случилось выропейскому студенту най ти разбросанный между доотогродойми персонала в годовам сворники высери какскаго института. Спонкива чтена, студентя умебумай и сказамай всии такова тама Интеграция, то кокова умех будета дидреференціам. Якова Интугиня. 12321 01710

" (24.6) , 16.16 , 26.6 (2) 16.26 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18.66 | 18

ילפיקה אל נושיפים "אנק סחדים " קינו זמת בלילן ול בליה: איני בליקה אלין אמת ביבי חלו שם "" בי שלא אלינה" של ליל מיני אלינה אלי

We Heartily Agree with the Above Sentiments



THE DIRECTORY OF THE BEANERY.







The Sophomore's Nightmare.
The Terrible Scot

Lawson: "That girl smiled at me."

Vynne: "No wonder; she saw you."

SOMEWHAT MIXED

Prof. Dorweiler (discussing cost curve in flunker's calculus):—
"When the ship is still the cost is \$10 an hour.
Therefore, when the ship is not running, the cost when it runs a mile is infinite."



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A Small Per Cent of Waste.

ONE ON THE SPOONOID

The day after the Senior dance, the demon editor posted a notice in the Integral box that if the man who had held the girl's head on his shoulder did not send a dollar bill to his office said man would be exposed in the grinds. By Monday morning, the editor had received twenty-seven dollar bills and four offers for a pugilistic encounter.

Pete:—"Ho, ho, Youngberg had a hair cut."

Youngberg:—"You bet I did—I had all seven of them cut this time."

HEARD AT THE BEANERY

Jonah Johnsing:—"I wonder what makes this bread so tough?"

Johnson, '08:-"Case hardened, I guess."



How the Junior Architects do enjoy Freehand!





HOW TIME DOES CHANGE

1906—Coffeen (to Boblett):—"Say, you old wart, who would have you?"
1907—Boblett (to Coffeen):—"Say, you old wart, who would have you?"

WHAT DID SHE MEAN?

Stillman's girl's mamma (coming into the room at eleven P. M.):—"O. Mr. Stillman, I see you are spending your vacation here."



APROPOS OF GIRAFFE NECKWEAR

Prof. McFarland:—"What are you writing on Zanzig's collar for?" Van Etten:—"Posting signs on the bill-board."





MEETING OF THE CLASS IN GENERAL SCIENCE

The meeting was called to order in Larson Hall at 12:20 P. M., Oct. 9th, 1907. Mr. E. A. Thatcher, as temporary chairman, called for the reading of the minutes. The secretary, Mr. Menkin, having deserted the class, the minutes were unavailable. The chairman, therefore, appointed Ed. Thatcher temporary

secretary. Nominations for president now being in order, the chairman called for them. Hearing no response from the members of the class, he resigned his chair to Cap Larson and nominated Mr. Thatcher. Since there were no further nominations, the vote was taken and found unanimous for Mr. Thatcher. He responded with a few well chosen words, thanking the class for its kind favor in honoring him with the high and lofty office of President of the General Science class for '07-'08. His request for the privilege of appointing the vice-president meeting with no opposition, he accordingly appointed Edward A. Thatcher vice-president. The other officers elected were:

Ed Thatcher—Secretary.

E. Augustus Thatcher—Treasurer.

The President then broached the subject of social affairs for the General Science class. Cap Larson ventured to remind the President that his lunch was becoming cold. The chair, however, did not notice the interruption, and upon the recommendation of the Treasurer, Eddy Thatcher, the well known and justly



popular society man of the class, was appointed chairman of the social committee. There being no further business the meeting was adjourned. The honorable president was just about to investigate the unknown wilderness of his lunch-box when he was button-holed by the newly appointed social chairman. The latter desired his opinion on some matters concerning his new duties. The Secretary also remained and took notes from his lunch-box in short-hand. The President and Social Big Chief were just becoming warmed up to the subject of spreads and were mentioning banquets, chop-suey, sausages, sandwiches, etc., when—ding-a-ling-ding-ding-ding-ding-ding, in the distance announced the start of the hundred yard dash from the Beanery to the Main Building. The President, Social Chairman and Secretary adjourned during the wild dash and the Secretary was instructed to post a notice on his suit case announcing that the next meeting of the Class in General Science would be held in the future—"sometime."

Approved. Mr. Thatcher, Pres.

(Signed) ED THATCHER, Sec.



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ANOTHER STRONG JOKE

A. P. S.:- "Acceleration equals F over K. M" Now what does Strong know about K. M's?

Herr Monin:—The tail mustn't wiggle the dog, but vice versa.

Packy:—How would you relieve the stress due to wind pressure on this roof-truss?

Hall, '09:-Put a fence around the roof.



Spitzglass Advertizes



Dean Raymond's Little April Fool Joke





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"Brownie."

JUST AN ORDINARY SLAM

Zanzig:-"Professor, do you want us to study our power plants by the common sense method, or by cramming."

Prof. Radtke:-"I certainly approve of the common sense method, provided you can use it.''



DEAD (S)CENTER

BEATY'S FORMULA

By which any two numbers may be proved equal. Can you discover the mistake?

Let a and b be the two numbers.

Now, a^2-a^2-a b= b^2-b^2-a b, for all values of a and b

-That is, $a^2-a(a+b)^2=b^2-b(a+b)$

Adding $(\frac{a+b}{2})^2$, $a^2-a(a+b)+(\frac{a+b}{2})^2=b^2-b (a+b)+(\frac{a+b}{2})^2$

That is, $[a-(\frac{a+b}{2})]^2=(b-\frac{(a+b)}{2})^2$

Extracting the square root,

 $a - (\frac{a+b}{2}) = b - (\frac{a+b}{2})$

Whence, a=b





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O, see the Man. He is in a tre-men-dous hur-ry. No, the store-room is not on fire, nor has an-y Fresh-man been blown up in the Chem-i-cal lab-o-rato-ry. That is on-ly Mis-ter Freud go-ing to teach his class-es. The art-ist could not even keep him in the pic-ture. Does the man al-ways hur-ry this way? Yes, my dear Children, he is in a per-pet-u-al hur-ry.



Have you ev-er heard him talk-ing? He can say more words per sec-ond per sec-ond than a tri-ple gear-ed talk-ing mach-ine, and his speech falls all over it-self. He is a fun-ny fel-low, but he makes the Fresh-men learn Chem-is-try all right, all right, and that is what he is here for. Some of the jokes he cracks were ruled from the In-te-gral by the Cen-sor.







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CHANCE SAYINGS OFTEN HEARD

Dean Monin:—"And what not—"
Mr. Dietzch:—"The same ——
the same."

Prof. Perry:—"Zat quite evident to all of you men?"

Prof. Coffeen:—"As a matter of

Mr. Haynes:—"That's only a hypothetical consideration."

Prof. McFarland:—"Let us con-

sider this as a free-boody."

Prof. Wilcox:—"This is not a very good slide, but I guess that it will serve the purpose."

Mr. Marsh:—"Well, well——"
Mr. Agle:—"I'll be there in a
minute, ahem——"

Mr. Dorweiler: — "Just rise, please."

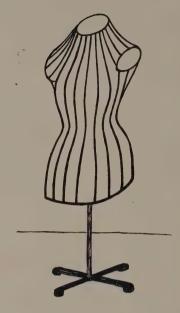
Mr. Moreton:—"Under those conditions—"

Prof. Burnham:—"We can heat steam until it is red-hot, and still—"

Mr. Peterson:—"It's time for roll-call, now."

Prof. Shattuck:—"One o'clock, men."

Prof. Nachman:—"I want you fellers to be quiet."



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(And then we laughed.)

Phillips:—City and county attorneys are very often appointed because they are young and inexperienced and couldn't make a living any other way.

Phillips:—How does a column tend to fail? Matthei:—It bends out all around.

Frisbie:—This is a flat valve. It works on the principle of a stove pipe.

HEARD IN ECONOMICS

At night one day we went out for a mug of beer. (Now don't publish zat in ze Fulcrum.)

After serving three years in ze army we could swear beautifully in three languages. It was a fine training, indeed

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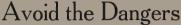
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PRINTERS

The Crown Press













April 18—Class of '09 elects editor and business manager for the '07-'08 Integral

April 19—Editor buys a note-book for Daily Events.

April 20-Editor loses said note-book.

April 22-April issue of The Fulcrum out.

April 25—Armual Home Concert in Mission of Glee and Mandolin Clubs. "Biled-shirters" looked very nice but had a poor audience.

April 29—Mr. Arthur P. Davis of the U. S. Reclamation Service at an assembly in Science Hall talks on "The Reclamation Service in the West."

May 7—Dekker invents a sky-hook in drafting-room for supporting line-shafting.

May 9—Spitzy and Prof. Riggs have brain storms in Math class. Class sleeps peacefully.

May 10—Senior class meeting—very important.

May II (Saturday)—Streets lined with Freshmen surveying gangs enjoying the weather.

May 13—Junior Week begins. Sophs are warned against raising a rough-house and are so indignant at the suggestion that they almost decide to start something. Fine Camera Club Exhibit.

May 14—More doings in the mission. Juniors give a Moot Court, try Donald Francis Math, and amid general rejoicing burn him in Ogden Field. During the rejoicing several Freshmen have derbies smashed, but after an eloquent plea by Super. Little, festivities are postponed.

May 15—Junior Class banquet at Vogelsang's at which the Arsheteeks have a pleasant time. Tech defeats Lake Forest in baseball, 6 to 3. Townsend goes to bed with his hat on.

May 16—Cold wave gives Faculty Club cold feet and they forfeit baseball game to Juniors. Fulcrum out.

May 17—Prof. Coffeen tries the honor system in his Machine Design classes—a good start. At assembly, Dr. Gunsaulus delivers an address on William Everett Gladstone. Joe Howard goes out of business. Junior dance at Lakeside Club well attended.

May 18—Tech baseball team defeats N. W. College, 9 to 3. Armour night at White City woefully attended. Armour yell given twice,

May 20—Seniors finally measured for caps and gowns after many deliberations.

May 21—Warm spring rains; everybody sleepy.

May 22—Attempted meeting of Nebraska Club and rehearsal of Glee Club.

May 23—Second trial of honor system in Machine Design not very successful,



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May 24—'Nother assembly in Mission at which Dr. Gunsaulus completes his talk on Gladstone. Fulcrum office well filled during interim with staff working on copy for the last issue. Many freshmen go to sleep owing to the heat.

May 25—Schewel tries to spell Zanziz in the middle of Thirty-first street after ten o'clock.

May 27—Evans reaches Physics recitation at 12:07—poor man, he got his.

May 28—Jones and Badger look worried. Sphinx is having hard trouble to find men to take charge of The Fulcrum for 1907-08.

May 29-Minnesota defeats the Tech in baseball, 3 to 2.

May 30—Everybody goes down town to see the parade.

Delts and Phi Kapps have a game which they call baseball. Score, 16 to 1 in favor of the latter.

May 31-Holiday; everybody out at the parks.

June I—The big triangular meet comes off at which Armour comes out second best. Sphinx Club has a feed and elects more members.

June 2 (Sunday, 8 p. m.)—Everybody gets to work on lessons which they had planned to start last Thursday.

June 3-Last copy for '08 Integral turned in.

June 4—At Junior class meeting the Marshals return a total of \$6.33 which they made off Junior week.

June 5-First pictures for '09 Integral taken.

June 6-Everybody scraping up two dollars.

June 7—The '08 Integral appears. Hoo-ray! All Irishmen are well pleased with the green ink, and nearly everyone is pleased with the book.

June 8—Fulcrum staff, eight of them, see a show, have a feed, and are taken for a long, long auto ride. The rest of Chicago hear some fine singing.

June 9—Auto ride is ended. Some tall studying done. Baccalaureate sermon delivered in Central Church. Seniors look very sweet.

June 10—O, Lord be merciful. Exams begin. Faculty Club gives a reception to Seniors.

June 11 (8:30)—More exams.

June II (5:30)—All men with drafting work up make a home run. Seniors take trip across lake and lose their appetites and several other things.

June 12—More drafting work finished and more home runs. Seniors graduate—good luck to them; they have been our friends for two years.



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Sept. 15—Express wagons bearing trunks quite prominent on the streets about school.

Sept. 16—School opens. Slide-rule Zanzig estimates that \$859,999.53 passes over the registrar's counter.

Sept. 17—Freshies are given "bum steers" as to location of class rooms.

Sept. 18—Did you notice Cap Larson's new helper? She's fairly pretty, too.

Sept. 19—Oh, ye Juniors! Mech. Lab. opens for business.

Sept. 20-No assembly yet.

Sept. 21—Integral staff out for a sail.

Sept. 23—Doctor Gunsaulus gives a memorial address on the death of Miss Rosa C. Lang.

Sept. 24—The rush is again in favor. The tug of war is discarded.

Sept. 25—The Glee Club is organized. Baseball: Juniors, 6; Seniors, 1.

Sept. 30-Baseball: Seniors, 11; Freshmen, 7.











The Frederick Post Company

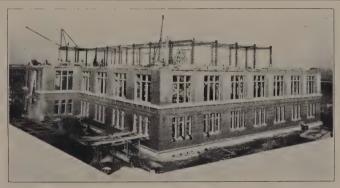
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- Oct. I—Senior Academy Class meeting. Hamilton shows up with his funny hair.
- Oct. 2—Mandolin Club is organized. Seven Juniors go sailing over the rolling, rolling sea—and have to row back, when the wind dies out.
- Oct. 3—Seven Juniors flunk in Mechanics. I wonder why?
- Oct. 4—Prof. Perry nearly annihilated by an incandescent lamp hurled from the Junior Mech. drafting room.
- Oct. 5-Juniors beat Sophs at baseball.
- Oct. 6—Prof. Coffeen gets stung in Chink (chop suey) restaurant.
- Oct. 7—Nothing doing except Bob Evan's smile. Ever notice it?
- Oct. 8—Slim attendance at afternoon classes; first game World's Championship baseball series.
- Oct. 9—Levitan makes money renting seats on his housetop to the fellows who go to see the game.
- Oct. 10—Fulcrum out; fine issue; several marriages recorded. First informal hop at the Art Institute.
- Oct. 14—Stadeker gets mixed up with H₂SO₄ in physics lab. Did you notice the ?——?





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Oct. 15—Freshmen, Sophomore, and Junior class meetings for The Integral. The editor feels happy over the bright outlook. Have you heard Riker's moustache growing? It is just audible.

Oct. 17—Class pictures taken for The Integral; big crowds; first ad for the book. Hurrah!

Oct. 18—The editor appoints his assistant burdenbearers.

Oct. 19-'Nother Junior baseball game.

Oct. 21—Mayes forgets to ask a question in Mechanics. Oct. 22—He asks it.

Oct. 23—Assembly in the Mission. Song recital by Mr. Chas. W. Clark. The General Manager of Athletics

Chas. W. Clark. The General Manager of Athletics gets married.

Oct. 24—Riker's moustache becomes visible to the naked eye.

Oct. 25—Mayes brings a thimble to school. Domestic Science??

Oct. 26—Prof. Coffeen brings "her" to school.

Oct. 28—Chapin Hall opened. Oh, ye smokers! What a chance!

Oct. 30—Second issue of The Fulcrum out. Vaccine reigns supreme at Armour.

Oct. 31—Class pictures posted. Heavenly Scotty! Oh, my!





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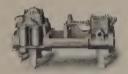
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Nov. I—The Freshman smoker is pulled off. A good but noisy bunch attends; but whoever heard of a quiet Armour smoker?

Nov. 2-Moving day of The Integral.

Nov. 5—Have you been vaccinated? No. You are excused. *

Nov. 6—Dekker is dubbed "Damudutch," and the name sticks.

Nov. 7—Glee Club shows signs of life. Tryout for membership. Prof. Radtke gets married.

Nov. 8—Dunham and Jones have a sleeping match in Business Law and Dunham wins.

Nov. 9—Soph-Freshman baseball game. Score, 21-19.

Nov. 10—Dutch Angerstein from Texas sees his first snow.

Nov. 11-First regular meeting of the Chapin Club.

Nov. 13—Flossies from Englewood High invade Armour to witness basketball game with the Academy. Exit Freshmen from drafting room.



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NOV. 15.



Nov. 27.

Nov. 15-Chess and Checker Club organized.

Nov. 18—Liquid soap system installed in basement washroom-

Nov. 20-Everybody finds out that they are dirty.

Nov. 22—Tech opens basketball season. A. I. T., 69; Hamilton Park, 12. Prof. Scherger gives his lecture, "A Zig-Zag Trip Through Germany."

Nov. 25—Sophs go to a matinee at the Auditorium in a bunch.

Nov. 27—Assembly. Mr. C. J. Jordan lectures on "The Man the Age Wants."





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MODESTY AND THE SCIENCE OF BASHFULNESS, by A. G. Hall, the most bashful man in captivity.

THE OFFICE OF THE REGISTRAR

ARMOUR MISSION









Nov. 28-Thanksgiving day. Yum-yum.

Nov. 29—A day of rest except for The Integral board. Nov. 30—McKarahan has a fire in his room—he's a fire protect, too.

Dec. 2—Thomas Lovett, a Freshman, gets married. Riker's moustache gets long enough to curl.

Dec. 3—Free Auto Show tickets. Juniors and Seniors attend. Crabbe officiates as demonstrator.

Dec. 4—Juniors and Seniors flunk logic and economics

Dec. 5—Everybody on time at 8:30 valve gears—i. e. 9 A. M.

Dec. 6-Senior hop at Lakeside Club.

Dec. 13—Glee and Mandolin Clubs concert in the Mission.

Dec. 18—Rush for railway ticket offices. Everybody is getting tired of school.

Dec. 20—Assembly. Dr. Gunsaulus lectures on Whittier. Rah for vacation.

Dec. 21-Alumni Association banquet.

Dec. 25—Christmas Day. Santa Claus makes his annual trip, and many Armourites are made happy.

Dec. 30—Spitzy gets a haircut to start the new year right.





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The Institute Bulletin or the Circulars describing the Evening Classes and the Summer Session, will be sent upon application











Jan. I—Great resolutions made by The Integral board Jan. 6—New lights installed in the class rooms in Assembly Hall, after much petitioning.

Jan. 7—Mexican girl's hair found on Shedd's coat after his arrival from that dear El Paso. What does it mean?

Jan. 9—Stadeker discovers that the earth goes around the sun.

Jan. 10-Basketball: Tech, 34, and Y. M. C. A. Cardinals, 43.

Jan. 13—H. C. C. is the big noise at an Academy athletic meeting.

Jan. 16—Glee Club concert at Maywood. Good music and a fine crowd.

Jan. 17—Glee Club concert at Blue Island. Many of the natives miss a musical treat.

Jan. 23—Commodore Perry is locked out for being late at Dynamics. He did not see the joke.

Jan. 24—Junior Prom at the Colonial Club. Every one enjoyed himself and his girl.

Jan. 29—Perry says, "It is quite evident" twelve times in one hour, but Parry could not see the point.

Jan. 30—Perry calls Parry a "bright and shining light."
O, my!





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Feb. 3—Free-bowdy shows up with a green tie.

Feb. 4-Free-bowdy gets a hair-cut.

Feb. 5-Free-bowdy lectures before the A. S. M. E.

Feb. 6—Junior class meeting. Marshals elected for Junior Week.

Feb. 7-Aronian is held up and loses his watch.

Feb. 11—Assembly. Dr. Emil G. Hirsch talks on Abraham Lincoln.

Feb. 14-Basketball: Tech, 14; Beloit, 24.

Feb. 17-Chad. Whitmore goes to sleep in the bathtub.

Feb. 18—Basketball: Tech, 12; Lewis, 11.

Feb. 21—Sophomore dance at the Colonial Club. The barn dance is very much in evidence.

Feb. 22—Tech gets licked in basketball at Naperville with Northwestern College. 'Nough said.

Feb. 24—Armour night at the Studebaker; 200 Armour men and a bunch of Armour girls see the "College Widow." "A" men rent dress suits and sit in a box

Feb. 28—Radix Formal at Waupanseh Club is a big success. Mr. G. H. Slocum gives a checker exhibition in Chapin Club. Basketball: Tech, 29; Michigan Ag., 26.

March 3—Architects attend Mardi Gras at the Art Institute.

March 6-It's pretty near time for an assembly.

March 10—Beckman, Ebert and Leyden form an unholy alliance to work hydraulics problems.

March 13—Assembly. Mr. Frank Speaight of London interests the students by his interpretation of Dickens' "Pickwick Papers." Atelier banquet at the Wellington Hotel.

March 16—Burnham announces that hereafter the Juniors will have a boiler test. Poor fellows!

March 17—St. Patrick's Day. Lots of green ties in evidence.

March 19—Assembly. William J. Bryan addresses the students on the subject of "Faith."

March 23—Perry breaks his record. He says "It is quite evident" 13 times in one hour.

March 25—Menkin hasn't shaved for a week. Oh, Horrors! He's so small, too!

March 27—Prof. Burnham is held up and robbed. No experimental lecture!

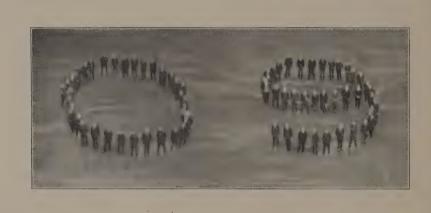
March 30—Dr. Colledge discovered riding down from Evanston by the 5c route. What time do you suppose he got up?

March 31—Well, our history ends here. The editors will now go to bed and sleep for a week to make up for lost time.



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